



ENVIRONMENTAL CORPORATION OF AMERICA

ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

FCC NEPA Environmental Checklist Report

TCNS ID 95672

AT&T Site NF610-C (Hickory)

148-A Ocean Boulevard
Southern Shores, Dare County,
North Carolina

ECA Project No. L-677b



SUBMITTED TO:

Velocitel, Inc.
4164 Innslake Drive, Suite B
Glen Allen, VA 23060

PREPARED BY:

Environmental Corporation of America
1375 Union Hill Industrial Court, Suite A
Alpharetta, GA 30004



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August 7, 2013

Velocitel, Inc.
4164 Innslake Drive, Suite B
Glen Allen, VA 23060

Attention: Justin Bridges

**Subject: FCC NEPA Environmental Checklist
TCNS ID 95672
Proposed 130-Foot Overall Height
Flagpole Telecommunications Structure
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
ECA Project # L-677b**

Dear Mr. Bridges:

Environmental Corporation of America (ECA) is pleased to provide this FCC NEPA Environmental Checklist report for the construction of a proposed telecommunications facility. ECA understands that Velocitel, Inc. is proposing to construct a telecommunications facility located at 148-A Ocean Boulevard, Southern Shores, Dare County, North Carolina. The telecommunications facility would be located as shown on Figure 1 of Attachment A.

ECA has used the *AT&T Owned NEPA Review Compliance Checklist* in our evaluation of the undertaking for FCC Environmental Compliance (Attachment B). Where applicable, we have consulted the Agency sources indicated in Attachments A through G.

The USGS Topographic Quadrangle Map, 7.5 Minute Series, Kitty Hawk, NC (1982) and the Nationalatlas.gov GIS mapper, Federal Lands and Wilderness Preservation System layers, indicate the project area is not located within an officially designated wilderness area or wildlife preserve.

Mr. Ben Salter, a degreed Biologist, has determined a finding of “no effect” concerning federally listed and proposed threatened and endangered species and designated critical habitat. The Raleigh, North Carolina Field Office of the USFWS specifically requests that they no longer be sent documentation regarding proposed cell towers located in areas currently used for agricultural purposes, in areas previously disturbed by commercial development, or on project

where a "no effect" determination has been made. See Attachment C for our Informal Biological Assessment.

The New Tower Submission Packet (FCC Form 620), Section 106 Review documentation was prepared for the proposed undertaking. The Section 106 Review documentation found that the proposed facility would have no effect on any Historic Properties (as described in the March 7, 2005 NPA). The Section 106 Review documentation was submitted to the North Carolina Historic Preservation Office (NC HPO) on May 21, 2013. The NC HPO responded in an email dated June 18, 2013 stating that no historic properties would be affected by the proposed undertaking (See Appendix D).

ECA identified five federally recognized tribes that may attach religious and cultural significance to Historic Properties within the area of the proposed undertaking. ECA initially contacted the FCC utilizing Tower Construction Notification System (TCNS) on May 20, 2013 (TCNS ID 95672). Each interested tribe received initial notification from the FCC by May 24, 2013. Final tribal clearance was received August 5, 2013. All Native American Tribes that have expressed interest within this area have concurred with the project. Documentation of our tribal consultation is included in Attachment E.

If inadvertent discoveries of Native American cultural materials or human remains are made during construction, all work should cease and potentially affected Tribes, as well as the State Historic Preservation Office should be notified immediately. ECA recommends that a statement to this effect be incorporated into the construction plans, drawings, and documents for the facility.

According to the appropriate Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Panel, the facility would be located within Zone VE, a Special Flood Hazard Area of the 100-year floodplain (Attachment F).

Based on the research performed and our site visit, it does not appear that jurisdictional waters or wetlands would be impacted by the proposed facility (Attachment G).

We understand that high intensity white lights would not be deployed in conjunction with the proposed undertaking. Further, this NEPA Review includes evaluation of impacts or effects relative to RF Exposure. For RF Exposure assessment, ECA relies solely on the project RF Engineers.

The applicant has determined that Antenna Structure Registration (ASR) would not be required based on the specifications of the proposed tower. In addition, the applicant has informed ECA that they do not plan to voluntarily file an application for ASR with the FCC at this time. Therefore, environmental notification, pursuant to 47 CFR 17.4, is not required. If an ASR application is filed or if changes to the proposed tower specifications are proposed, environmental notification requirements, pursuant to 47CFR 17.4, should be followed.

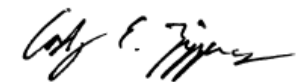
In summary, other than the fact the proposed facility would be located in a Federal Special Flood Hazard Area of the 100-year floodplain, ECA has found no evidence that adverse environmental

impacts or effects, as defined in the FCC Rules contained in 47 CFR Sections 1.1301 through 1.1319, would result from the proposed tower construction.

Because the facility would be located in a 100-year floodplain, FCC environmental regulations require that an Environmental Assessment (EA) be prepared and filed with the FCC prior to construction.

We appreciate this opportunity to provide you with these professional services. If you have any questions regarding this report or the project in general, please call at your convenience.

Sincerely yours,
Environmental Corporation of America



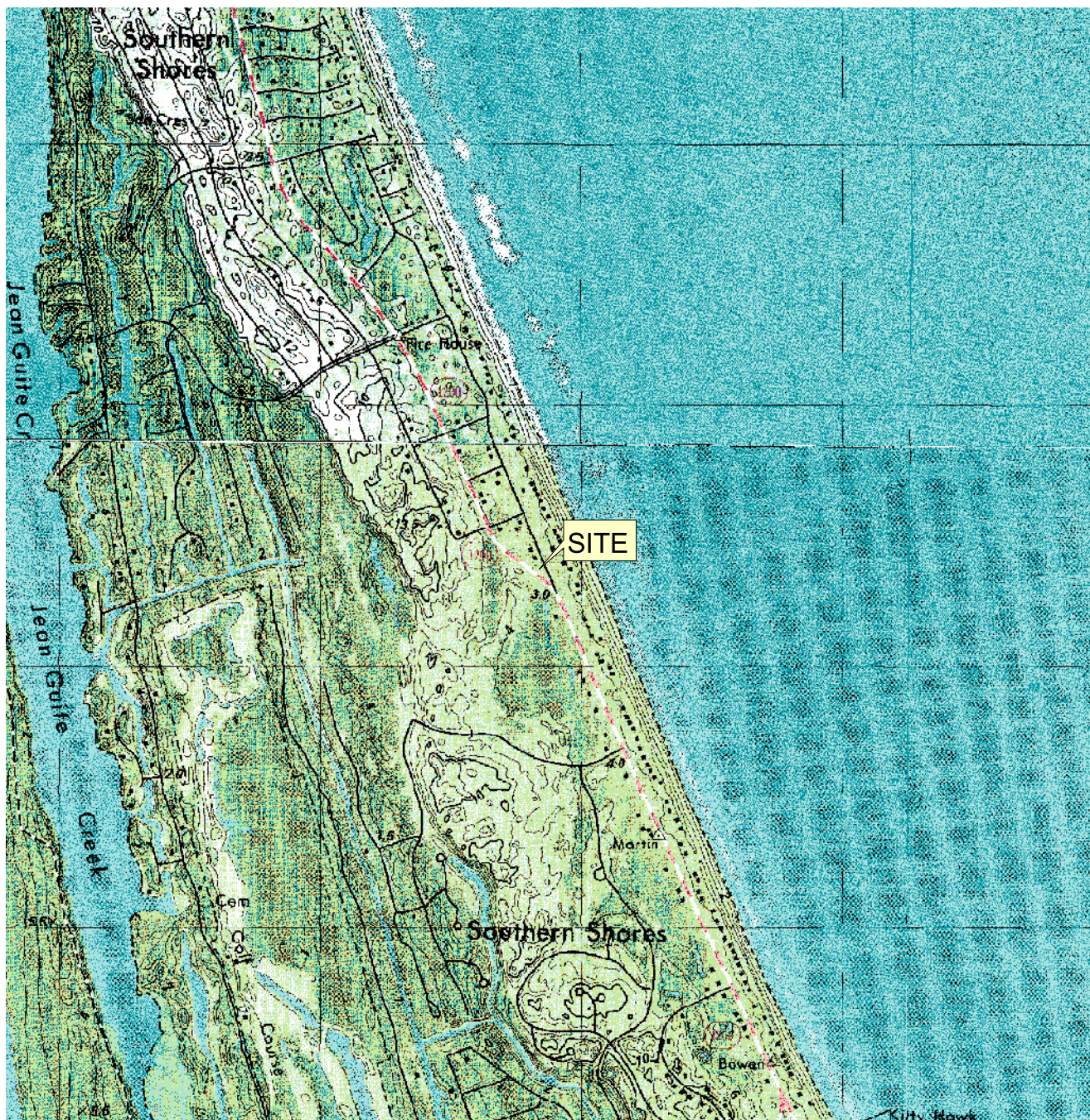
Cody E. Zipperer, MPH
Project Manager



Marvin G. Webster, REP
Principle Scientist

Attachment A

USGS Topographic Quadrangle Map



2000 0 2000 Feet

Source: USGS Topographic Quadrangle Maps, 7.5 Minute Series, Jarvisburg, NC (1982), Martin Point, NC (1982), Point Harbor, NC (1999), and Kitty Hawk, NC (1982).



AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Figure 1: Site Vicinity Map



ECA Proj. #: L-677b

Attachment B

FCC NEPA Environmental Compliance Checklist

OWNED NEPA REVIEW

All holdings and affiliates of AT&T Mobility (including affiliated tower companies) must complete this form for all new site construction and/or site modifications to owned structures.

PROJECT INFORMATION

FCC Mkt. _____ Type of Structure: Flagpole ☐ Spectra site managed site ID# _____
 Site ID: NF610-C Site Name: Hickory ☐ Crown managed site BU# _____
 Type of Action:
☒ New Tower Construction (FULL NEPA required) ☐ Audit/Compliance ☐ Temp (COW, Calf, etc.)¹ EA Required? No
☐ Modification
 Compliance NEPA on file with FCC Group ☐ Yes ☐ No
 Will this involve: ☐ Top mounting ☐ Side mounting

Explain what you will be doing at the site: A 130-foot tall flagpole telecommunications structure and associated ground-level equipment would be placed within a fenced compound located within a 34-foot by 45-foot lease area and accessed via an approximate 100-foot long by 20-foot wide access/utility easement.

Location of Action (address, city, county, state)
148-A Ocean Boulevard, Southern Shores, Dare County, North Carolina

ITEMS 9 - 11 (and top portion of page 1) FOR A LIMITED (SHORT) NEPA REVIEW

Market coordinator must sign/certify checklist.

1. Is the facility located in an officially designated wilderness area? [47 CFR 1.1307 (a)(1)]
☐ Yes ☒ No If so, describe the area, its location and source of the information.
2. Is the facility located in an officially designated wildlife preserve? [47 CFR 1.1307 (a)(2)]
☐ Yes ☒ No If so, describe the preserve, its location and source of information.
3. Will the facility: (i) affect listed threatened or endangered species or designated critical habitats; or (ii) jeopardize the continued existence of any proposed endangered or threatened species; or is it likely to result in the destruction or adverse modification of proposed critical habitats, as determined by the Secretary of the Interior pursuant to the Endangered Species Act of 1973. [47 CFR 1.1307 (a)(3)]
☐ Yes ☒ No If so, describe the species, critical habitat, location, and source of the information.
4. Will the facility be located in, on, or within the viewshed of a building, site, district, structure or object, significant in American history, architecture, archeology, engineering or culture, that is listed, or eligible for listing on the State or National Registers of Historic Places? [47 CFR 1.1307 (a)(4)]
☐ Yes ☒ No ☐ N/A
5. Will the facility affect an Indian religious site? [47 CFR 1.1307 (a)(5)] Original Letter Sent: _____ Followup Letter: _____
☐ Yes ☒ No ☐ N/A If so, describe the source of the information.
6. Will the facility be located in a "floodplain"? [47 CFR 1.1307 (a)(6)]
☒ Yes* ☐ No If so, describe the floodplain, its location, and source of the information.

*According to FEMA FIRM Panel 3720986700J, dated September 20, 2006, the Property is located in Zone VE, a Special Flood Hazard Area of the 100-year floodplain. Areas within Zone VE are subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action.
7. Will the construction of the facility involve significant change in surface features (e.g. wetland fill, deforestation, or water diversion)? [47 CFR 1.1307 (a)(7)]
☐ Yes ☒ No If so, describe the surface feature, its location, and source of the information.
8. Will the facility be equipped with high intensity white lights which are to be located in a residential neighborhood, as defined by the local zoning law? [47 CFR 1.1307 (a)(8)]
☐ Yes ☒ No

¹ Grounding is the only alteration to the physical environment that is acceptable. First choice for grounding should be to an existing utility pole.

RF EMISSION VERIFICATION:

9A. Cellular Sites – providing Cellular Radiotelephone Services within the meaning of 47 CFR Part 22, Subpart H, do either of the following apply (See A & B below): [47 CFR 1.1307 (b)] ☐ Yes ☐ No

A. non-building-mounted antennas: height above ground level to lowest point of antenna less than 10mtrs. (30 ft.); **and** the total power of all channels is greater than 1,000 watts ERP*; **or**

B. for building-mounted antennas: the total power of all channels is greater than 1,000 watts ERP.*

9B. PCS Sites – 1) providing Broadband PCS services within the meaning of 47 CFR Part 24, Subpart E, do either of the following apply (See A & C below): [47 CFR 1.1307 (b)] ☐ Yes ☐ No

2) providing Narrowband PCS services within the meaning of 47 CFR Part 24, Subpart D, do either of the following apply (See B & C below): [47 CFR 1.1307 (b)] ☐ Yes ☐ No

A) for non-building-mounted antennas: height above ground level to lowest point of antenna less than 10mtrs. (30 ft.); **and** the total power of all channels is greater than 2,000 watts ERP*; **or**

B) for non-building-mounted antennas: height above ground level to lowest point of antenna less than 10mtrs. (30 ft.); **and** the total power of all channels is greater than 1,000 watts ERP*; **or**

C) for building-mounted antennas: the total power of all channels is greater than 2,000 watts ERP.*

9C. Microwave Sites – **Exceeds the** exposure limits identified in Table 1 of 1.1310 when the equipment is in close proximity of the public. ☐ Yes ☐ No ☐ N/A

9D. Paging and Radiotelephone Service Sites within the meaning of 47 CFR Part 90, does either of the following apply (See A & B below): [47 CFR 1.1307 (b)] ☐ Yes ☐ No

A) for non-building-mounted antennas: height above ground level to lowest point of antenna less than 10 mtrs. (30 ft) **and** total power of all channels greater than 1,000 watts ERP*; **or**

B) for building-mounted antennas: the total power of all channels is greater than 1,000 watts ERP.*

**In the section above, the term "total power of all channels" means the sum of all co-located simultaneously operating transmitters owned and operated by a single licensee. For facilities using sectorized antennas, this rule is applied separately for each sector.*

REQUIRES SIGNATURE OF RF ENGINEER OR NETWORK DEPLOYMENT MANAGER

The undersigned certifies that this site will be modified / constructed in compliance with the RF exposure regulations mandated by the FCC with regard to the general public. The FCC and AT&T Mobility guidelines regarding Maximum Permissible Exposure will not be exceeded as a result of activating this site. **The undersigned is accountable for any mitigating activities, including and not limited to RF survey and posting proper signage, if required.**

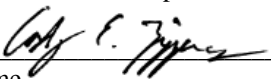
Signature of RF Engineer

Date

The undersigned has completed this Checklist as part of an environmental impacts analysis for the possible development of a tract of land and certifies that the answers contained herein are truthful and accurate to the best of the undersigned's knowledge after reasonable investigation.

** Name of Consulting Firm and Signature:

Environmental Corporation of America



Name

August 7, 2013

Date

Market Representative:

Date

** A consultant's signature on the form is optional

Attachment C

Protected Species Information



ENVIRONMENTAL CORPORATION OF AMERICA

ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

June 24, 2013

Velocitel, Inc.
4164 Innslake Drive, Suite B
Glen Allen, VA 23060

Attention: Justin Bridges

**Subject: Informal Biological Assessment
Proposed 130-Foot Overall Height
Flagpole Telecommunications Structure
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
USGS Topographic 7.5-minute Quadrangle Map
Kitty Hawk, NC (1982)
N 36° 07' 15.0", W 75° 43' 25.3"
ECA Project Number: L-677b**

Dear Mr. Bridges:

Environmental Corporation of America (ECA) is pleased to provide this report of our Informal Biological Assessment for the proposed project.

Background

The project area location is shown on Figure 1 in Appendix A. Figure 2 is a plan view that shows the site configuration. Figure 3 is a recent aerial photograph of the site area. ECA understands that Velocitel, Inc. (on behalf of AT&T) is proposing to construct a telecommunications facility on the grounds of a small park located at 148-A Ocean Boulevard, Southern Shores, Dare County, North Carolina. The proposed telecommunications structure would not be lighted and guy wires would not be used.

The project area would include a proposed 34-foot by 45-foot lease area and a proposed approximate 100-foot long by 20-foot wide access/utility easement. The proposed lease area and approximately 12 feet of the proposed easement are located on a grassed area within a small public park that includes an existing brick walkway and flagpole. The areas surrounding the

proposed lease area are occupied by grassed areas with landscaped hedgerows, flowerbeds, tree clusters, gravel walkways, and an existing parking lot to the north.

The lease area is accessible via a proposed approximate 100-foot long by 20-foot wide access/utility easement. This easement would traverse southwesterly off Ocean Boulevard through an existing parking lot, then southeasterly through the lot and across an open, grassed area toward the proposed lease area. Photographs of the project area are included in Appendix B. Descriptions of the photographs are provided underneath each photograph and photograph locations are graphically depicted on Figure 2 in Appendix A.

Based on National Wetlands Inventory data, the project area is not mapped as a wetland. Further, no evidence of surface waters or the three criteria required for an area to be characterized as wetland were observed. It does not appear that jurisdictional waters or wetlands would be impacted by the proposed undertaking.

Purpose

The purpose of this letter is to provide you with documentation of our investigations and findings relative to federally protected species within the project area.

Review of Available Documentation and Site Inspection

ECA has reviewed the most current *U.S. Fish and Wildlife Service County List of Protected Species* for Dare County, North Carolina and the USFWS Critical Habitat Mapper. ECA has also reviewed information from various sources pertaining to the habitat requirements of the listed species. Habitat at the site was evaluated during our June 4, 2013 site visit, which was conducted by Cody Zipperer of ECA.

Discussion of Findings

Because the undertaking would not impact any wetlands or waters, aquatic species are not a concern for this undertaking. Species recognized by the U.S. Fish and Wildlife Service as inhabiting Dare County, North Carolina are listed in Appendix C. The seabeach amaranth (*Amaranthus pumilus*), red-cockaded woodpecker (*Picoides borealis*), piping plover (*Charadrius melodus*), and roseate tern (*Sterna dougallii dougallii*) are the only non-aquatic species listed as federally threatened or endangered within Dare County. No designated critical habitat was identified in the project area vicinity. Non-aquatic species identified by USFWS as occurring in Dare County, North Carolina along with a habitat description and a finding of effect for each are included in the table below.

Species Name	Scientific Name	Federal Status	Habitat	Finding of Effect
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened	Barrier islands, coastal flats at the ends of islands and lower dunes, and on ocean beaches above high tide; intolerant of competition	No Suitable Habitat; No Effect

Species Name	Scientific Name	Federal Status	Habitat	Finding of Effect
Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered	Open stands of pines, with a minimum age of 80 to 120 years	No Suitable Habitat; No Effect
Piping plover	<i>Charadrius melodus</i>	Threatened	Open sandy beaches or rocky shores; often in high, dry sections away from water	No Suitable Habitat; No Effect
Roseate tern	<i>Sterna dougallii dougallii</i>	Endangered	Seacoasts, bays, estuaries, and small islands with sandy beaches, open bare ground, or grassy areas along the Atlantic coast	No Suitable Habitat; No Effect

The proposed lease area is located in a grassed and landscaped area of a small park. We believe that no suitable habitat is available for the species identified by USFWS as federally endangered or threatened in Dare County, North Carolina. A tower Site Evaluation Form is included in Appendix D.

Conclusions

The Raleigh, North Carolina Field Office of the USFWS specifically requests that they no longer be sent documentation regarding proposed cell towers located in areas currently used for agricultural purposes, in areas previously disturbed by commercial development, or on project where a "no effect" determination has been made (see Appendix C for USFWS Raleigh Field Office standard guidance). A "no effect" determination is made when there is no suitable habitat for federally threatened or endangered species within or in close proximity to the project area. If suitable habitat for federally threatened or endangered species is present within the project area, then USFWS must be consulted.

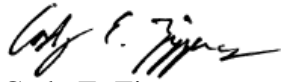
Based on the information reviewed and our site inspections, ECA has found no evidence suggesting that federally threatened or endangered species inhabit the project area or the immediate project area (impact zone). Further, we have determined that the proposed undertaking is unlikely to jeopardize federally threatened and endangered species or designated critical habitat. Based on our findings, no documentation was sent to the USFWS and this communication documents our finding of "no effect" for federally threatened and endangered species.

Closure

Cody Zipperer of ECA conducted the site visit, area inspection, and compiled this report. Mr. Ben Salter reviewed this report. Mr. Salter is a degreed Biologist. His resume is included in Appendix E. Mr. Salter has determined a finding of "no effect" concerning federally threatened and endangered species and designated critical habitat.

We appreciate the opportunity to provide you with these professional services. Please contact us at (770) 667-2040 with any questions.

Sincerely yours,
Environmental Corporation of America



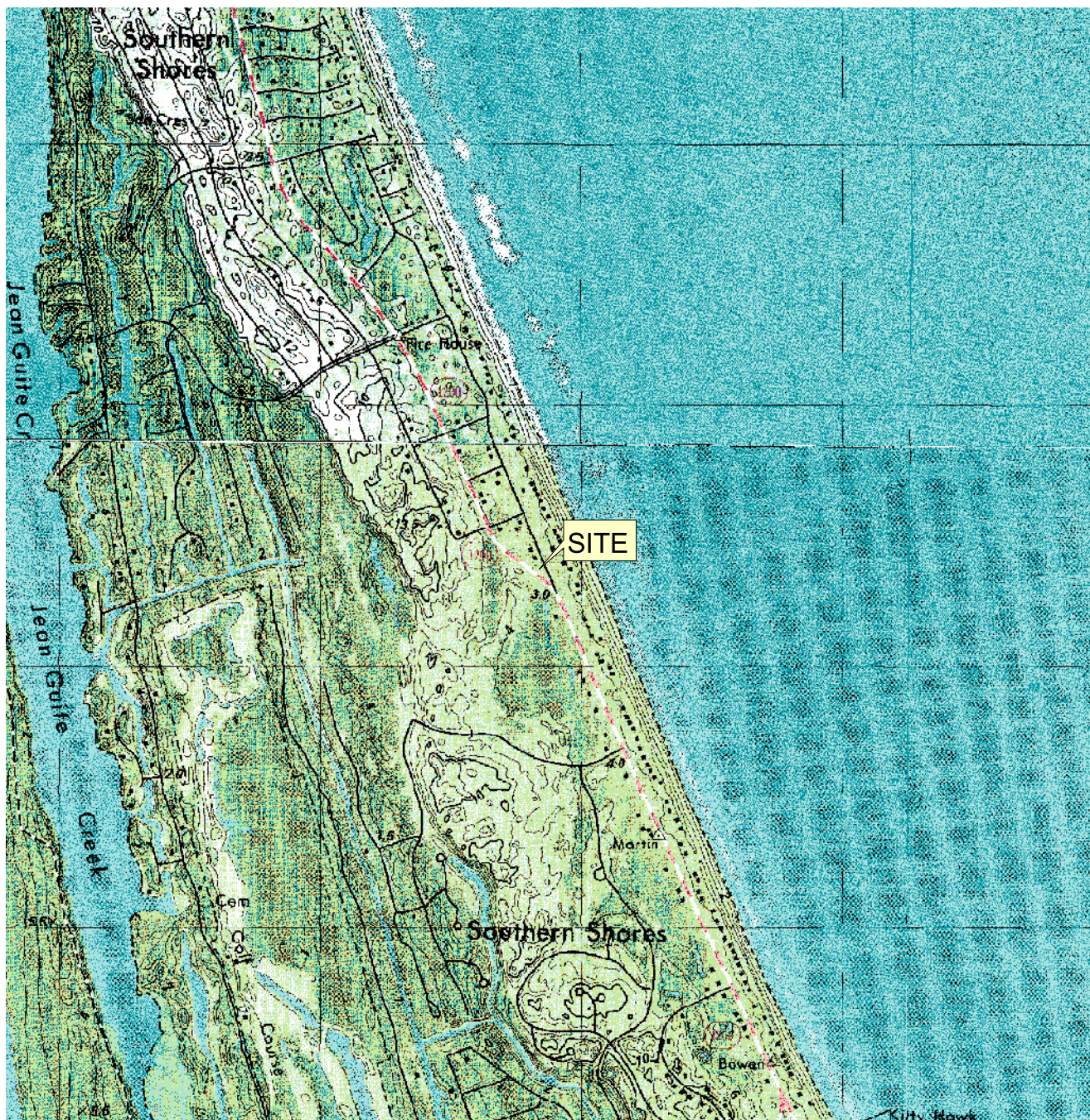
Cody E. Zipperer
Project Scientist



Ben Salter
Principal Scientist

APPENDIX A

Figures



2000 0 2000 Feet

Source: USGS Topographic Quadrangle Maps, 7.5 Minute Series, Jarvisburg, NC (1982), Martin Point, NC (1982), Point Harbor, NC (1999), and Kitty Hawk, NC (1982).

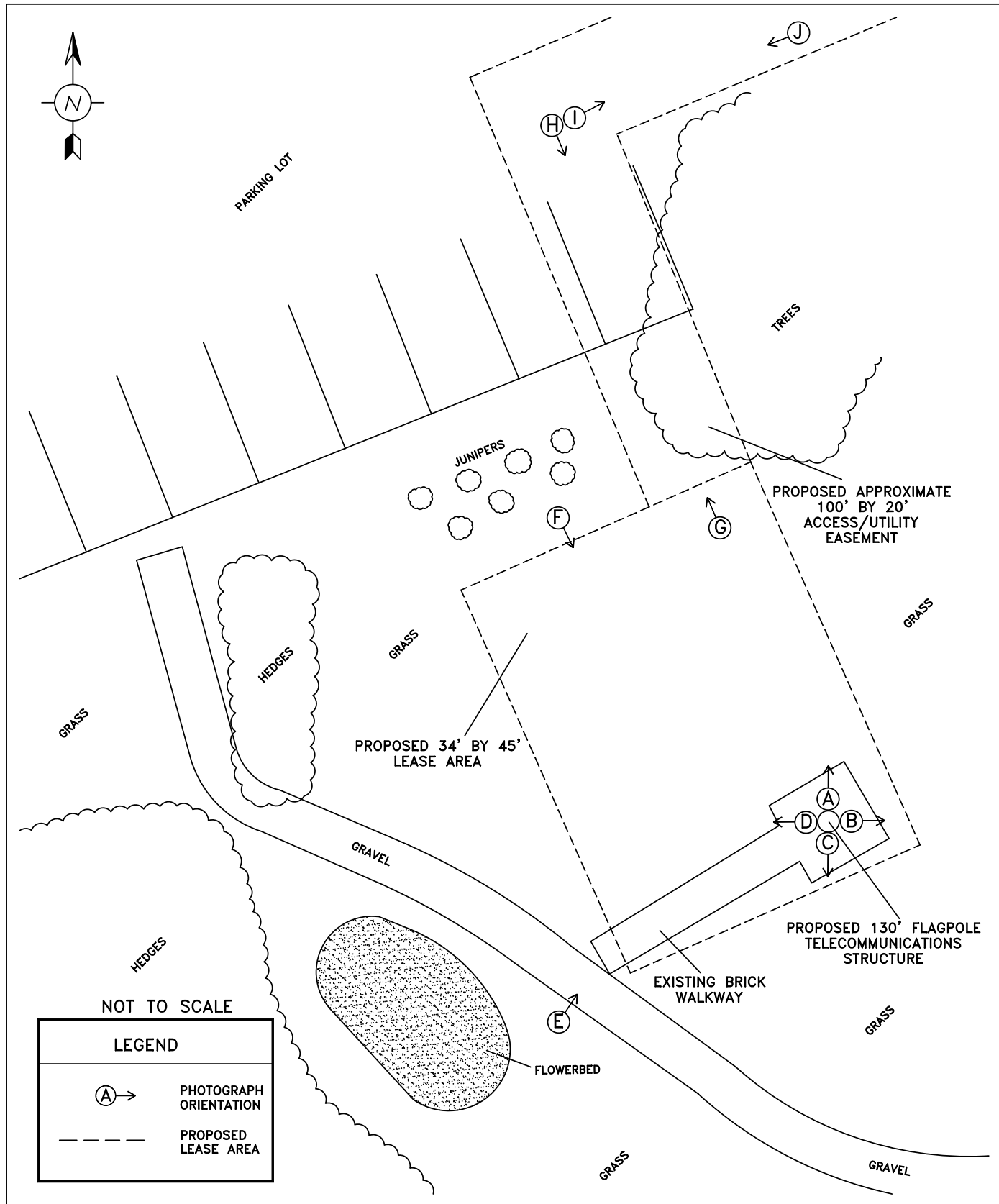


AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Figure 1: Site Vicinity Map



ECA Proj. #: L-677b



AT&T Site NF610-C (Hickory)

148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Figure 2: Site Vicinity Plan

SOURCE: 6/4/2013 ECA Site Visit
2013 Warren Williams & Associates Survey

DRAWN BY: CEZ DATE: 6/4/2013
FILE NAME: F:\%L677b.dwg



ECA Project # L-677b



Source: 2011 Google Earth TM Aerial Photography



AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Figure 3: 2011 Aerial Photograph



ECA Proj. #:L-677b



GRID NORTH

SCALE 1" = 500' (1 : 6,000)

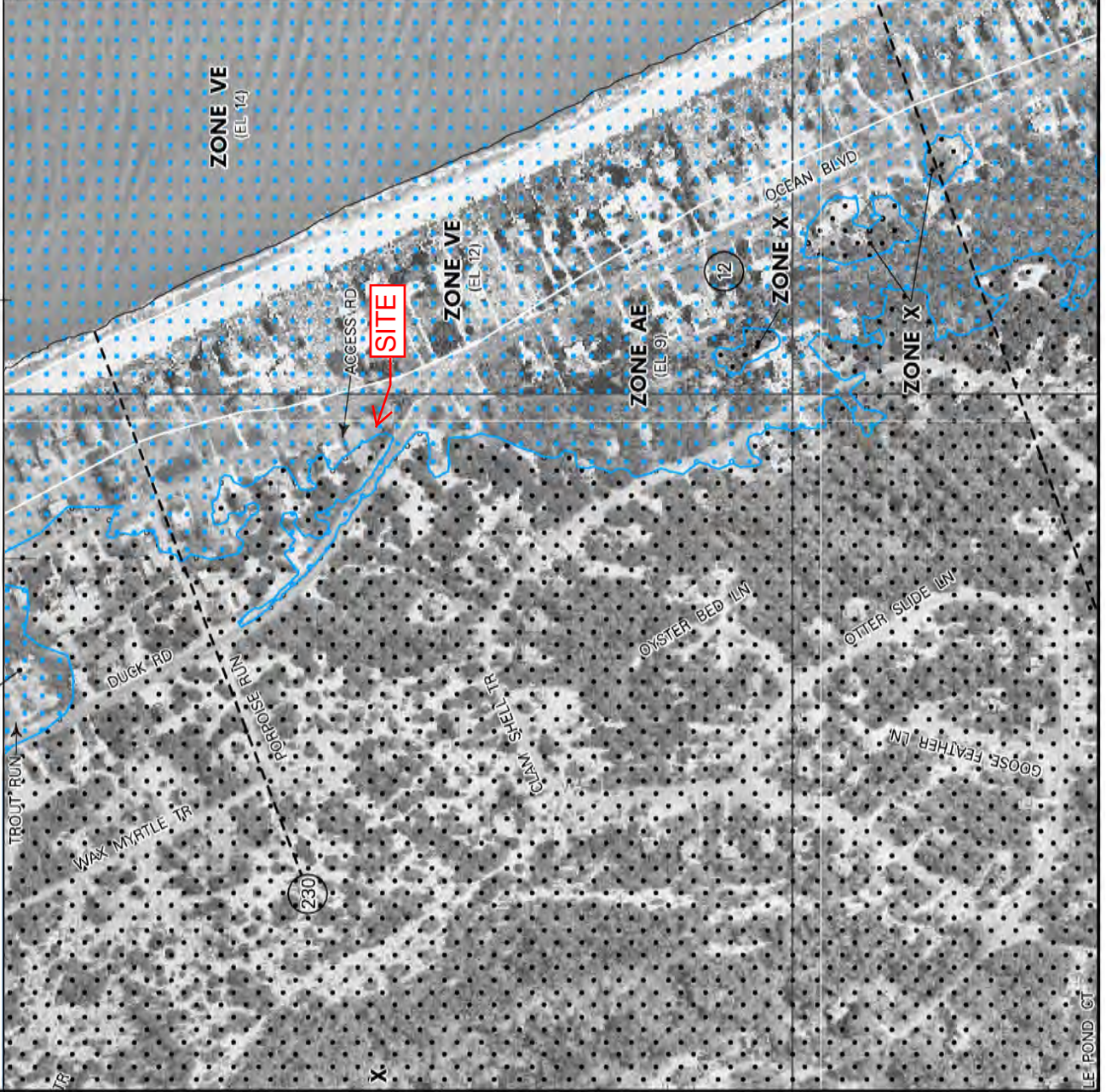


ZONE AE
(EL 9)

75°43'30"

2 967 500 FEET

435 000 M



NFIP

PANEL 9867J

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 9867

(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM
PANEL LAYOUT)

CONTAINS:

COMMUNITY	CID No.	PANEL	SUFFIX
DARE COUNTY	375248	9867	J
KITTY HAWK TOWN OF	370439	9867	J
SOUTHERN SHORES TOWN OF	370430	9867	J

Notice to User: The Map Numbers shown below should be used
when ordering maps. The Community Numbers shown below
above should be used on insurance applications for the subject
community.

EFFECTIVE DATE
SEPTEMBER 20, 2006

MAP NUMBER
3720986700J



State of North Carolina
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It
was extracted using F-MIT On-Line. This map does not reflect changes
or amendments which may have been made subsequent to the date on the
title block. For the latest product information about National Flood Insurance
Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



U.S. Fish and Wildlife Service

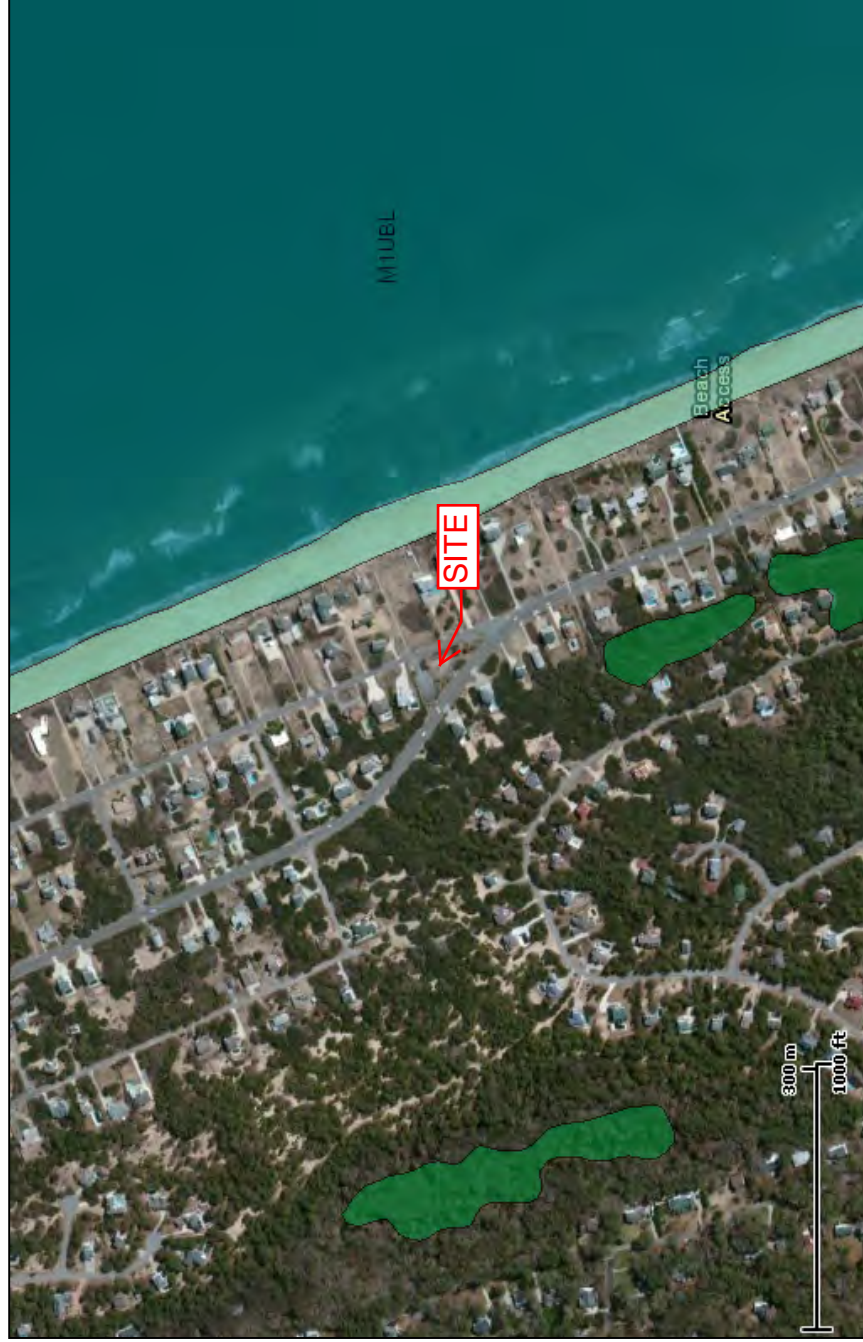
National Wetlands Inventory

AT&T NF610-C
(Hickory)

May 21, 2013

Wetlands

	Freshwater Emergent
	Freshwater Forested/Shrub
	Estuarine and Marine Deepwater
	Estuarine and Marine
	Freshwater Pond
	Lake
	Riverine
	Other



This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

ECA#: L-677b

APPENDIX B

Photographs



A: Northerly View From Proposed Flagpole Center



B: Easterly View From Proposed Flagpole Center

AT&T Site NF610-C (Hickory)

148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Photographs



ECA Proj. #: L-677b



C: Southerly View From Proposed Flagpole Center



D: Westerly View From Proposed Flagpole Center

AT&T Site NF610-C (Hickory)

148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Photographs



ECA Proj. #: L-677b



E: Northeasterly Overview of Proposed Lease Area



F: Southeasterly Overview of Proposed Lease Area

AT&T Site NF610-C (Hickory)

148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Photographs



ECA Proj. #: L-677b



G: Northwesterly View Along Proposed Access/Utility Easement From Proposed Lease Area



H: Southeasterly View Along Proposed Access/Utility Easement Toward Proposed Lease Area

AT&T Site NF610-C (Hickory)

148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Photographs



ECA Proj. #: L-677b



I: Northeasterly View Along Proposed Access/Utility Easement Toward Road



J: Southwesterly View Along Proposed Access/Utility Easement From Road

AT&T Site NF610-C (Hickory)

148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Photographs



ECA Proj. #: L-677b

APPENDIX C

Protected Species Information



U.S. Fish & Wildlife Service
Species Reports

Environmental Conservation Online System

Species By County Report

The following report contains Species that are known to or are believed to occur in this county. Species with range unrefined past the state level are now excluded from this report. If you are looking for the Section 7 range (for Section 7 Consultations), please visit the [IPaC](#) application.

County: Dare, NC

Group	Name	Population	Status	Lead Office	Recovery Plan Name	Recovery Plan Action Status	Recovery Plan Stage
Birds	Red-cockaded woodpecker (<i>Picoides borealis</i>)	Entire	Endangered	Mississippi Ecological Services Field Office	Red-cockaded Woodpecker Recovery Plan, Second Revision	View Implementation Progress	Final Revision 2
	Piping Plover (<i>Charadrius melodus</i>)	except Great Lakes watershed	Threatened	Office Of The Regional Director	Great Lakes & Northern Great Plains Piping Plover	View Implementation Progress	Final
					Piping Plover Atlantic Coast Population Revised Recovery Plan	View Implementation Progress	Final Revision 1
	Roseate tern (<i>Sterna dougalli dougalli</i>)	northeast U.S. nesting pop.	Endangered	New England Ecological Services Field Office	Roseate Tern (NE U.S./Canada)	View Implementation Progress	Final Revision 1
Flowering Plants	Seabeach amaranth (<i>Amaranthus pumilus</i>)		Threatened	Raleigh Ecological Services Field Office	Seabeach Amaranth	View Implementation Progress	Final
Mammals	West Indian Manatee (<i>Trichechus manatus</i>)	Entire	Endangered	North Florida Ecological Services Field Office	Florida Manatee Recovery Plan, Third Revision	View Implementation Progress	Final Revision 3
					Recovery Plan Puerto Rican Population of the West Indian (Antillean) Manatee	View Implementation Progress	Final
	Red wolf (<i>Canis rufus</i>)	U.S.A. (portions of NC and TN)	Experimental Population, Non-Essential	Office Of The Regional Director	-	-	-
Reptiles	Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	Entire	Endangered	North Florida Ecological Services Field Office	Recovery Plan for U.S. Pacific Populations of the Hawksbill Turtle	View Implementation Progress	Final Revision 1
					Recovery Plan for the Hawksbill Turtle in the U.S. Caribbean, Atlantic and Gulf of Mexico	View Implementation Progress	Final Revision 1
	Leatherback sea turtle (<i>Dermochelys coriacea</i>)	Entire	Endangered	North Florida Ecological Services Field Office	Recovery Plan for U.S. Pacific Populations of the Leatherback Turtle	View Implementation Progress	Final Revision 1
					Recovery Plan for Leatherback Turtles in the U.S. Caribbean, Atlantic, and Gulf of Mexico	View Implementation Progress	Final Revision 1
	Kemp's ridley sea turtle (<i>Lepidochelys kempi</i>)	Entire	Endangered	Corpus Christi Ecological Services Field Office	Bi-National Recovery Plan for the Kemp's Ridley Sea Turtle (<i>Lepidochelys kempi</i>) SECOND REVISION	View Implementation Progress	Final Revision 2
	Green sea turtle (<i>Chelonia mydas</i>)	except where endangered	Threatened	North Florida Ecological Services Field Office	Recovery Plan for U.S. Pacific Populations of the Green Turtle	View Implementation Progress	Final Revision 1
					Recovery Plan for U.S. Population of Atlantic Green Turtle	View Implementation Progress	Final Revision 1

Export options: [CSV](#) [EXCEL](#) [XML](#) [PDF](#)

Last updated: May 30, 2013

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
RALEIGH ECOLOGICAL SERVICES FIELD OFFICE
551 PYLON DRIVE, SUITE F
RALEIGH, NC 27606
PHONE: (919)856-4520 FAX: (919)856-4556



Consultation Tracking Number: 04EN2000-2013-SLI-0253

May 30, 2013

Project Name: AT&T Site NF610-C (Hickory)

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project.

To Whom It May Concern:

The species list generated pursuant to the information you provided identifies threatened, endangered, and proposed species, designated critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

Section 7 of the Act requires that all federal agencies (or their designated non-federal representative), in consultation with the Service, insure that any action federally authorized, funded, or carried out by such agencies is not likely to jeopardize the continued existence of any federally-listed endangered or threatened species. A biological assessment or evaluation may be prepared to fulfill that requirement and in determining whether additional consultation with the Service is necessary. In addition to the federally-protected species list, information on the

species' life histories and habitats and information on completing a biological assessment or evaluation and can be found on our web page at <http://www.fws.gov/raleigh>. Please check the web site often for updated information or changes

If your project contains suitable habitat for any of the federally-listed species known to be present within the county where your project occurs, the proposed action has the potential to adversely affect those species. As such, we recommend that surveys be conducted to determine the species' presence or absence within the project area. The use of North Carolina Natural Heritage program data should not be substituted for actual field surveys.

If you determine that the proposed action may affect (i.e., likely to adversely affect or not likely to adversely affect) a federally-protected species, you should notify this office with your determination, the results of your surveys, survey methodologies, and an analysis of the effects of the action on listed species, including consideration of direct, indirect, and cumulative effects, before conducting any activities that might affect the species. If you determine that the proposed action will have no effect (i.e., no beneficial or adverse, direct or indirect effect) on federally listed species, then you are not required to contact our office for concurrence (unless an Environmental Impact Statement is prepared). However, you should maintain a complete record of the assessment, including steps leading to your determination of effect, the qualified personnel conducting the assessment, habitat conditions, site photographs, and any other related articles.

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

Not all Threatened and Endangered Species that occur in North Carolina are subject to section 7 consultation with the U.S Fish and Wildlife Service. Atlantic and shortnose sturgeon, sea turtles, when in the water, and certain marine mammals are under purview of the National Marine Fisheries Service. If your project occurs in marine, estuarine, or coastal river systems you should also contact the National Marine Fisheries Service, <http://www.nmfs.noaa.gov/>

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office. If you have any questions or comments, please contact John Ellis of this office at john_ellis@fws.gov.

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: AT&T Site NF610-C (Hickory)

Official Species List

Provided by:

RALEIGH ECOLOGICAL SERVICES FIELD OFFICE
POST OFFICE BOX 33726
RALEIGH, NC 27636
(919) 856-4520

Consultation Tracking Number: 04EN2000-2013-SLI-0253

Project Type: Communications Tower

Project Description: Proposed 130-foot Flagpole Telecommunications Structure within a proposed 34-foot by 45-foot lease area located in Southern Shores, Dare County, North Carolina.



United States Department of Interior
Fish and Wildlife Service

Project name: AT&T Site NF610-C (Hickory)

Project Counties: Dare, NC



United States Department of Interior
Fish and Wildlife Service

Project name: AT&T Site NF610-C (Hickory)

Endangered Species Act Species List

Species lists are not entirely based upon the current range of a species but may also take into consideration actions that affect a species that exists in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Please contact the designated FWS office if you have questions.

Green sea turtle (*Chelonia mydas*)

Population: except where endangered

Listing Status: Threatened

Hawksbill sea turtle (*Eretmochelys imbricata*)

Population: Entire

Listing Status: Endangered

Kemp's Ridley sea turtle (*Lepidochelys kempii*)

Population: Entire

Listing Status: Endangered

Leatherback sea turtle (*Dermochelys coriacea*)

Population: Entire

Listing Status: Endangered

Piping Plover (*Charadrius melodus*)

Population: except Great Lakes watershed

Listing Status: Threatened

Critical Habitat: Final designated

Red wolf (*Canis rufus*)

Population: U.S.A. (portions of NC and TN)

Listing Status: Experimental Population, Non-Essential

Red-Cockaded woodpecker (*Picoides borealis*)

Population: Entire

Listing Status: Endangered



United States Department of Interior
Fish and Wildlife Service

Project name: AT&T Site NF610-C (Hickory)

Roseate tern (*Sterna dougallii dougallii*)

Population: northeast U.S. nesting pop.

Listing Status: Endangered

Seabeach amaranth (*Amaranthus pumilus*)

Listing Status: Threatened

Shortnose sturgeon (*Acipenser brevirostrum*)

Population: Entire

Listing Status: Endangered

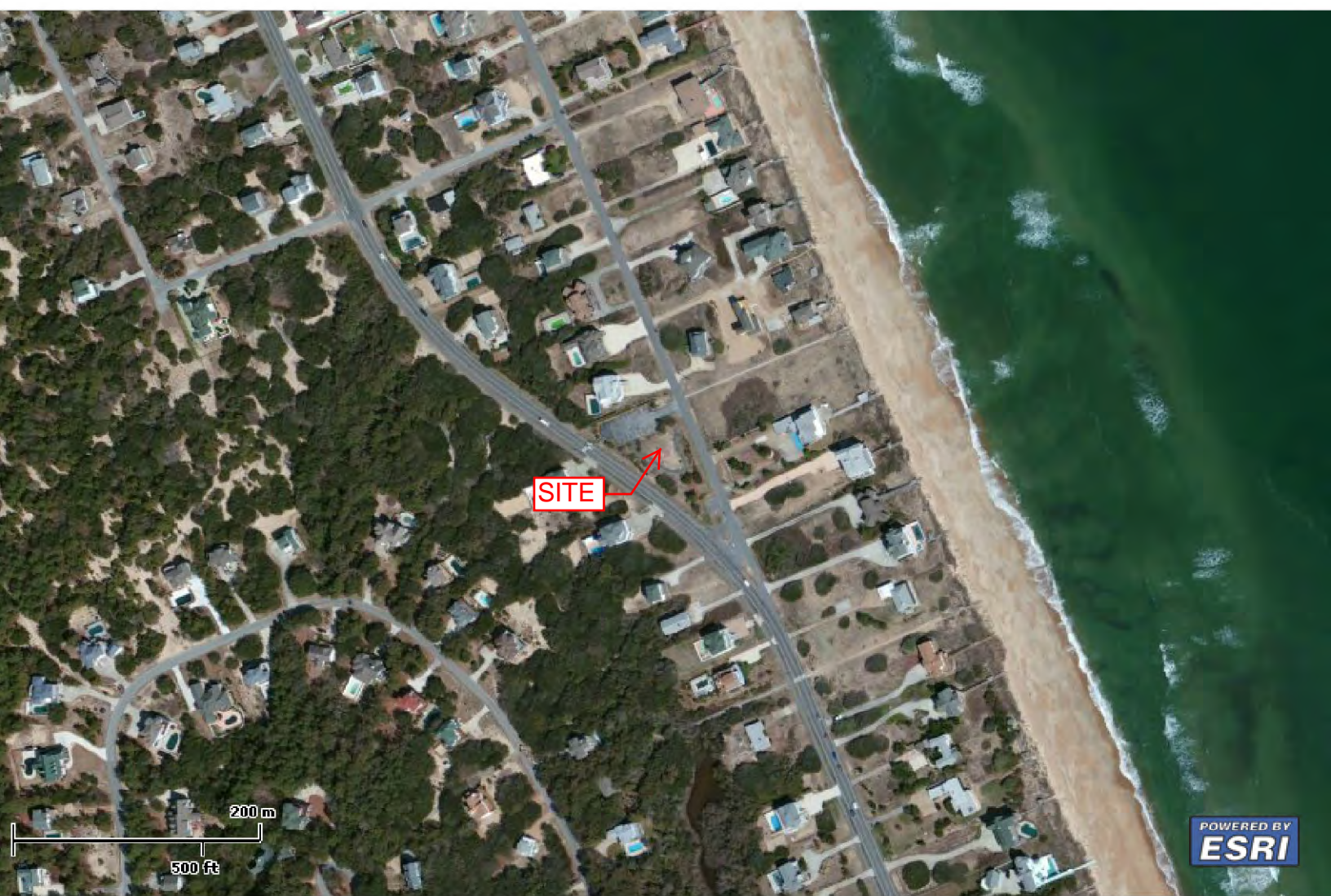
West Indian Manatee (*Trichechus manatus*)

Population: Entire

Listing Status: Endangered

AT&T Site NF610-C (Hickory)

ECA#: L-677b



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United States Department of the Interior

FISH AND WILDLIFE SERVICE

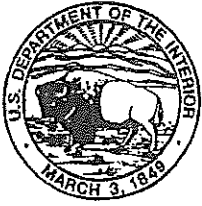
Raleigh Field Office
Post Office Box 33726
Raleigh, North Carolina 27636-3726

Service Interim Guidelines For Recommendations On Communications Tower Siting, Construction, Operation, and Decommissioning

1. Any company/applicant/licensee proposing to construct a new communications tower is strongly encouraged to co-locate the communications equipment on an existing communication tower or other structure (e.g., billboard, water tower, or building mount). Depending on tower load factors, from 6 to 10 providers may collocate on an existing tower.
2. If collocation is not feasible and a new tower or towers are to be constructed, communications service providers are strongly encouraged to construct towers no more than 199 feet above ground level (AGL), using construction techniques which do not require guy wires (e.g., use a lattice structure, monopole, etc.). Such towers should be unlighted if Federal Aviation Administration regulations permit.
3. If constructing multiple towers, providers should consider the cumulative impacts of all of those towers to migratory birds and threatened and endangered species as well as the impacts of each individual tower.
4. If at all possible, new towers should be sited within existing "antenna farms" (clusters of towers). Towers should not be sited in or near wetlands, other known bird concentration areas (e.g., state or Federal refuges, staging areas, rookeries), in known migratory or daily movement flyways, or in habitat of threatened or endangered species. Towers should not be sited in areas with a high incidence of fog, mist, and low ceilings.
5. If taller (>199 feet AGL) towers requiring lights for aviation safety must be constructed, the minimum amount of pilot warning and obstruction avoidance lighting required by the FAA should be used. Unless otherwise required by the FAA, only white (preferable) or red strobe lights should be used at night, and these should be the minimum number, minimum intensity, and minimum number of flashes per minute (longest duration between flashes) allowable by the FAA. The use of solid red or pulsating red warning lights at night should be avoided. Current research indicates that solid or pulsating (beacon) red lights attract night-migrating birds at a much higher rate than white strobe lights. Red strobe lights have not yet been studied.
6. Tower designs using guy wires for support which are proposed to be located in known raptor or waterbird concentration areas or daily movement routes, or in major diurnal migratory bird movement routes or stopover sites, should have daytime visual markers on the wires to prevent collisions by these diurnally moving species. (For guidance on markers, see *Avian Power Line Interaction Committee (APLIC). 1994. Mitigating Bird Collisions with Power Lines: The State of the Art in 1994. Edison Electric Institute, Washington, D.C., 78 pp*, and *Avian Power Line*

Interaction Committee (APLIC). 1996. Suggested Practices for Raptor Protection on Power Lines. Edison Electric Institute/Raptor Research Foundation, Washington, D.C., 128 pp. Copies can be obtained via the Internet at <http://www.eei.org/resources/pubcat/enviro/>, or by calling 1-800/334-5453).

7. Towers and appendant facilities should be sited, designed and constructed so as to avoid or minimize habitat loss within and adjacent to the tower "footprint." However, a larger tower footprint is preferable to the use of guy wires in construction. Road access and fencing should be minimized to reduce or prevent habitat fragmentation and disturbance, and to reduce above ground obstacles to birds in flight.
8. If significant numbers of breeding, feeding, or roosting birds are known to habitually use the proposed tower construction area, relocation to an alternate site is recommended. If this is not an option, seasonal restrictions on construction may be advisable in order to avoid disturbance during periods of high bird activity.
9. In order to reduce the number of towers needed in the future, providers are encouraged to design new towers structurally and electrically to accommodate the applicant/licensee's antennas and comparable antennas for at least two additional users (minimum of three users for each tower structure), unless this design would require the addition of lights or guy wires to an otherwise unlighted and/or unguyed tower.
10. Security lighting for on-ground facilities and equipment should be down-shielded to keep light within the boundaries of the site.
11. If a tower is constructed or proposed for construction, Service personnel or researchers from the Communication Tower Working Group should be allowed access to the site to evaluate bird use, conduct dead-bird searches, to place net catchments below the towers but above the ground, and to place radar, Global Positioning System, infrared, thermal imagery, and acoustical monitoring equipment as necessary to assess and verify bird movements and to gain information on the impacts of various tower sizes, configurations, and lighting systems.
12. Towers no longer in use or determined to be obsolete should be removed within 12 months of cessation of use.



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Raleigh Field Office
Post Office Box 33726
Raleigh, North Carolina 27636-3726

June 21, 2006

Susan Keller
Environmental Corporation of America
1375 Union Hill Industrial Court, Suite A
Alpharetta, GA 30004

Dear Ms. Keller:

Due to numerous inquiries concerning the potential impact of communication tower projects on federally listed threatened and endangered species, migratory birds and wildlife habitat, the Raleigh Field Office of the U.S. Fish and Wildlife Service (Service) is no longer able to review and respond to each individual tower site proposed for construction within our area of responsibility (see attached county list). Instead, we are providing information to assist the action agency, or their designated representative (tower owner or their consultant), in meeting their requirements under the Endangered Species Act, as amended (16 U.S.C. 1531 *et seq.*; ESA) and the Migratory Bird Treaty Act (16 U.S.C. 703 *et seq.*; MBTA). This information is intended to aid the applicant in determining when communication tower projects would and would not require concurrence from this office regarding potential impacts to federally listed species.

Generally, projects which involve the following actions are not likely to affect any federally listed threatened or endangered species, wetlands, or other resources under jurisdiction of the U.S. Fish and Wildlife Service:

- Projects that do not involve new construction activities,
- Construction of new towers or placement of antennae assemblies which are co-located with an existing structure (tower, building, water tank, smokestack, etc.),
- Construction of new towers in areas that are currently used for agricultural practices (farms) or in areas previously disturbed by commercial development,
- Routine maintenance of existing tower sites, such as painting, antenna or panel replacement, upgrading of existing equipment, etc.,
- Repair or replacement of existing towers and/or equipment, provided such activities do not significantly increase the existing tower mass and height, require the addition of guy wires, or increase the size or location of the existing pad site or equipment shelter, and/or
- Projects that receive a "no effect" determination as described below.

It is not necessary to contact the Raleigh Field Office about the actions listed above. For those proposed projects that do not meet these criteria (e.g., new tower sites on undeveloped land), we

offer the following information with regards to threatened and endangered species, migratory birds and wetlands.

Threatened and Endangered Species

Section 7 of the Endangered Species Act requires that all federal agencies (or their designated non-federal representative), in consultation with the Service, insure that any action federally authorized, funded, or carried out by such agencies is not likely to jeopardize the continued existence of any federally listed endangered or threatened species. A biological assessment or evaluation may be prepared to fulfill that requirement and in determining whether additional consultation with the Service is necessary.

A county listing of all federally protected endangered and threatened species with known occurrences in North Carolina is now available on our web page at <http://nc-es.fws.gov/es/countyfr.html> . In addition to the federally protected species list, information on the species' life histories and habitats and information on completing a biological assessment or evaluation can be found on our web page at <http://nc-es.fws.gov/es/es.html> . Please check the web site often for updated information or changes.

If your project contains suitable habitat for any of the federally listed species known to be present within the county where your project occurs, the proposed action has the potential to adversely affect those species. As such, we recommend that a qualified biologist conduct surveys to determine the species' presence or absence within the project area. The use of North Carolina Natural Heritage program data should not be substituted for actual field surveys. Please note that surveys for red cockaded woodpecker cavity trees should be conducted within a one-half mile radius of the proposed project site and that surveys for bald eagle nests should be conducted within a one mile radius of the proposed project site. Adjacent property owners within the survey area should be contacted before surveys are performed. Surveys for federally listed plant species should be conducted during the appropriate survey window as identified on our web site, http://nc-es.fws.gov/plant/optimal_survey_windows_for_plants.html .

If you determine that the proposed action will have no effect (i.e., no beneficial or adverse, direct or indirect effect) on federally listed species, then you are not required to contact our office for concurrence. However, you should maintain a complete record of the site assessment, including steps leading to your determination of effect, the qualifications of personnel conducting the assessment, habitat conditions, site photographs, and any other related articles. If you determine that the proposed action may affect (i.e., likely to adversely affect or not likely to adversely affect) a federally protected species, you should notify this office with your determination, the results of your surveys, survey methodologies, and an analysis of the effects of the action on listed species, including consideration of direct, indirect, and cumulative effects, before conducting any activities that might affect the species. The Service will either concur that your project is not likely to adversely affect federally protected species or recommend the initiation of the formal consultation process.

Migratory Birds

All native migratory birds (e.g., waterfowl, shorebirds, passerines, hawks, owls, vultures, falcons) are afforded protection under the Migratory Bird Treaty Act (40 Stat. 755; 16 U.S.C. 703-712). Communication towers and antennas may pose a hazard to migratory birds in flight and may pose a threat to nesting birds attracted to the site, depending on tower height, physical design, lighting, and site location. The Service has adopted draft guidelines for the siting, construction, and operation of communication towers that would minimize the potential for avian collisions. These draft guidelines are included with this letter and are also available on our web site at http://nc-es.fws.gov/es/Tower_guidelines.pdf. We recommend that they be implemented on all future communication tower projects.

Wetlands and Wildlife Habitat

Wetlands and riparian corridors are high priority fish and wildlife habitat and a resource of national concern. They serve as important sources of food, cover, and habitat for numerous species of resident and migratory fish and wildlife. Waterfowl and other migratory birds use wetlands and riparian corridors as stopover, feeding, and nesting areas. In addition, sustaining the integrity of wetland systems is an important mechanism for maintaining water quality conditions for aquatic resources. For these reasons, we strongly recommend that the sites selected for communications towers and other projects not impact wetlands and riparian areas, and be located as far as possible from these areas. Migratory birds tend to concentrate in or near wetlands and riparian areas and use these areas as migratory flyways and dispersal corridors, which could exacerbate the documented problem of birds being killed by flying into and striking the towers. If you anticipate unavoidable impacts to wetlands, you should contact the appropriate U.S. Army Corps of Engineers office to determine if a permit is required by that agency prior to commencement of construction activities.

Again, due to our existing project workload, the Raleigh Field Office is no longer able to respond to each request for concurrence that we receive on communication tower projects. If you do not receive a response from our office within 35 days of your letter being mailed to our office, you can assume that we concur with your findings. We hope that the information provided in this letter clarifies the consultation process while continuing to protect our trust resources. If you have any questions or comments, please contact Mr. Dale Suiter of this office at (919) 856-4520, extension 18.

Sincerely,



Pete Benjamin
Ecological Services Supervisor

Enclosures

**List of Counties in the U.S. Fish and Wildlife Service's
Raleigh Field Office Area of Responsibility**

Alamance
Beaufort
Bertie
Bladen
Brunswick
Camden
Carteret
Caswell
Chatham
Chowan
Columbus
Craven
Cumberland
Currituck
Dare
Duplin
Durham
Edgecombe
Franklin
Gates
Granville
Greene
Guilford
Halifax
Harnett
Hertford
Hoke
Hyde
Johnston
Jones

Lee
Lenoir
Martin
Montgomery
Moore
Nash
New Hanover
Northampton
Onslow
Orange
Pamlico
Pasquotank
Pender
Perquimans
Person
Pitt
Randolph
Richmond
Robeson
Rockingham
Sampson
Scotland
Tyrrell
Vance
Wake
Warren
Washington
Wayne
Wilson

APPENDIX D

Tower Site Evaluation Form

TOWER SITE EVALUATION FORM

1. Location (Provide maps if possible):

State: NC County: Dare

Latitude/Longitude/GPS Grid: N 36° 07' 15.0", W 75° 43' 25.3"

Directions: From Elizabeth City; Take US-158 East/Camden Causeway, Turn right to stay on US-158 East/Caratoke Hwy, Turn left onto NC-12 North, Continue onto Ocean Boulevard. Site will appear on the left.

2. Elevation above mean sea level: 9.1 feet

3. Will the equipment be co-located on an existing **FCC licensed tower** or other existing structure (building, billboard, etc.)? (y/n) No If yes, type of structure: _____

If yes, no further information is required.

4. If no, provide proposed specifications for new tower:

Height: 130' Construction type (lattice, monopole, etc.): Flagpole

Guy-wired? (y/n) No Bands: Unknown Total No. Wires: None

Lighting (Security & Aviation): No

If tower will be lighted or guy-wired, complete items 5-19. If not, complete only items 19 and 20.

5. Area of tower footprint in acres or square feet: _____

6. Length and width of access road in feet: _____

7. General description of terrain – mountainous, rolling hills flat to undulation, etc. Photographs of the site and surrounding area are beneficial:

8. Meteorological conditions (incidence of fog, low ceilings, etc.): _____

9. Soil type(s): _____

10. Habitat types and land use on and adjacent to the site, by acreage and percentage of total:

11. Dominant vegetative species in each habitat: _____

12. Average diameter breast height of dominant tree species in forested areas: _____

13. Will construction at this site cause fragmentation of a larger block of habitat into two or more smaller blocks? (y/n)____ If yes, describe: _____
14. Is evidence of birds roosts or rookeries present? (y/n) ____ If yes, describe: _____
15. Distance to nearest wetland area (forested swamp, marsh, riparian, marine, etc.), and coastline if applicable: _____
16. Distance to nearest telecommunications tower: _____
17. Potential for co-location of antennas on existing towers or other structures: _____
18. Have measures been incorporated to minimizing impacts to migratory birds? (y/n) _____
19. Has an evaluation been made to determine if proposed facility may affect listed or proposed endangered or threatened species or their habitat as required by FCC regulation at 47 CFR 1.1307(a)(3)? (y/n) Yes If, yes present findings: The proposed undertaking is unlikely to jeopardize federally listed species. See report for details.
20. Additional information required:

APPENDIX E

Qualified Biologist Resume



Ben Salter, PWS

Principal Scientist

1340 Patton Avenue, Suite K, Asheville, NC 28806

(828) 505-0755

ben.salter@eca-usa.com

EDUCATION

Western Carolina University

Master of Science, Biology, August 2004

Cullowhee, NC

Georgia College & State University

Bachelor of Science, Biology, December 1998
Chemistry Minor

Milledgeville, GA

Short Courses/Specialized Training

SonoBat Workshop, 2013
Overview of NHPA Section 106, 2013
GA DOT Coastal Wetland Plant Identification w/ Dr. Bob Mohlenbrock, 2010
Airports Council International – North American NEPA Workshop, 2009
NC State Stream Restoration Design Principles, 2007
Rosgen Level 1 – Applied Fluvial Geomorphology, 2006
VDEQ Stream Impact and Compensation Assessment Manual Workshop, 2006
VIMS Perennial Stream Workshop, 2005

Pikeville, TN
Virtual Classroom
Brunswick, GA
Kansas City, MO
Asheville, NC
Asheville, NC
Norfolk, VA
Gloucester, VA

PROFESSIONAL REGISTRATIONS

National Registry of Environmental Professionals, Registered Environmental Professional, 2007 to present
Society of Wetland Scientists, Professional Wetland Scientist, 2012 to present

PROFESSIONAL EXPERIENCE

November 2007 – Present

Environmental Corporation of America

Asheville, NC

Position: Principal Scientist, Office Manager

Responsibilities:

Principal Scientist for Phase I ESA, NEPA, Ecological, and Wetlands related projects; Manager of ECA's Asheville, NC office; Responsible for client management, final review, oversight, and/or field effort for ecological and wetlands related projects, preparation of wetlands and ecological permitting documents; review of Phase I ESA, environmental, and NEPA documents.

April 2006 – November 2007

Blue Ridge Ecological

Waynesville, NC

Position: Principal Scientist, Partner

Responsibilities:

Partner/Principal Scientist in natural resource management firm focused on fisheries/lake management, watershed assessment, water quality monitoring, and biological assessment.

January 2005 – November 2007

Malcolm Pirnie, Inc.

Newport News, VA

Position: Project Environmental Scientist

Responsibilities:

Wetland and Stream Scientist, National Environmental Policy Act Specialist, and Environmental Scientist; Primary responsibilities included EA and EIS writer, wetland and stream field scientist, and environmental site assessor.

August 2002 – December 2004

Western Carolina University

Cullowhee, NC

Position: Research and Teaching Assistant

Responsibilities:

Fisheries Scientist and Biology/Ecology Laboratory Instructor

May 2003 – September 2003 **United States Forest Service** Asheville, NC
Position: Biological Science Technician
Responsibilities:
Fisheries scientist for southern Appalachian brook trout project. Collected brook trout tissue samples in headwater streams throughout Western North Carolina and conducted genetic analysis for determining origin.

January 1999 – May 2001 **Environmental Corporation of America** Alpharetta, GA
Position: Project Scientist/Manager
Responsibilities:
Project manager for environmental projects including Phase I and II Environmental Assessments, FCC NEPA assessment, asbestos and lead-based paint inspection, and abatement monitoring and specification preparation, cultural resource assessments, threatened and endangered species surveys, wetland delineation, groundwater monitoring and remediation system installation, geotechnical investigation, construction materials testing, and telecommunications tower construction plan review.

JOURNAL PUBLICATIONS

Miller, JR, **EB Salter**, JB Anderson, PJ Lechler, SL Kondrad, PF Galbreath. 2005. Influence of Temporal Variations in Water Chemistry on the Pb Isotopic Compositions of Rainbow Trout (*Oncorhynchus mykiss*). Science of the Total Environment, 350, p. 204-224.

REPRESENTATIVE EXPERIENCE

USACE and NC DWQ Individual Section 404/401 Permits and CAMA Consistency
Proposed Telecommunications Facility, Carteret County, North Carolina

US Forest Service Biological Evaluation
Proposed Eastern Band of Cherokee Indians Snowbird Community Center, Nantahala National Forest, Robbinsville, North Carolina

Protected Species Evaluations/ USFWS and State Wildlife Agency Consultations
Combined Project Manager and Principal Biologist Participation in Thousands of Projects Nationwide

Instream Structure and Bank Stabilization USACE Permitting
Proposed Eastern Band of Cherokee Indians Old River Road Reconstruction

Assessment of Culverts for Fish Passage
Eastern Band of Cherokee Indians Reservation, Cherokee, North Carolina

Burrowing Owl Pre-Construction Survey
Proposed Telecommunications Tower, Perris, California

Bureau of Land Management Biological Assessment
Right of Way Assignment Effects on *Sclerocactus glaucus*, Grand Junction, Colorado

Indiana Bat Roosting Habitat and Emergence Surveys
Multiple Sites throughout the Southeastern United States

Environmental Impact Statement / Feasibility Study for Flood Damage Reduction and Ecosystem Restoration, US Army Corps of Engineers and James River Water Development District, James River, South Dakota

Critical Habitat Consultation
Proposed Telecommunications Tower Facility, Norman, Oklahoma

US Department of Housing and Urban Development NEPA Environmental Assessment
Proposed Old #4 Sewer Line Replacement, Cherokee, North Carolina

US Army Corps of Engineers and Virginia Port Authority Environmental Impact Statement
Craney Island Dredged Material Disposal Area Expansion and Subsequent Virginia Port Authority Craney Island Terminal Construction, Portsmouth, Virginia

EPA 319 Watershed Management Plan
Chestatee-Chattahoochee RC&D Mud and Little Mud Creek, Habersham County, Georgia

USACE Wetland/Stream Delineations and USACE/State Section 404/401 Permitting

Alabama, Delaware, Georgia, Florida, Illinois, Louisiana, Mississippi, North Carolina, New York, Ohio, South Carolina, South Dakota, Virginia, and West Virginia

US Department of Justice NEPA Environmental Assessment

Proposed Eastern Band of Cherokee Indians Correctional Facility, Cherokee, NC

Wetlands Delineation

Over 2000 acres, City of Jacksonville Land Treatment System Expansion, Onslow County, North Carolina

Bureau of Indian Affairs NEPA Environmental Assessment

Mary Lambert Farm Road Improvement Project, Cherokee, North Carolina

FCC NEPA Evaluation and Environmental Assessment and USACE Section 404 Permitting

Proposed Telecommunications Facility, Mecklenburg County, North Carolina

US Economic Development Administration, NEPA Environmental Assessment

Proposed Eastern Band of Cherokee Indians Lower Soco Creek Sewer Line Replacement, Cherokee, North Carolina

Federal Highway Administration NEPA Environmental Assessment

Old River Road Improvement Project, Cherokee, NC

US Forest Service NEPA Environmental Assessment

Proposed Eastern Band of Cherokee Indians Snowbird Community Center, Nantahala National Forest, Robbinsville, North Carolina

Multi-Day Active Osprey Nest Monitoring

Telecommunications Tower Activities, Wilmington Island, GA

Individual Permit Application and State Environmental Policy Act Documentation

City of Jacksonville Land Treatment System Expansion, Onslow County, North Carolina

USACE and FDEP Wetlands Individual Permit and Mitigation

Proposed Telecommunications Facility, Walton County, Florida

USACE and St. Johns River Water Management District Wetlands Permitting and Mitigation

Proposed Telecommunications Facility, Fellsmere, FL

USACE and St. Johns River Water Management District Wetlands Permitting and Mitigation

Proposed Telecommunications Facility, Jacksonville, FL

Bureau of Indian Affairs NEPA Environmental Assessment

Hunting Boy Branch Road Improvement Project, Graham County, North Carolina

Federal Communications Commission NEPA Investigations

Combined Project Manager and Project Principal Participation in Thousands of Projects Nationwide

Intensive Survey for the Federally Threatened Dwarf-Flowered Heartleaf

Multiple Projects, Western North Carolina

Evaluation of Ecosystem Restoration and Flood Damage Reduction Measures on the Federally Endangered Topeka Shiner

James River Basin, South Dakota

Wetland Delineation and Mapping of Eastern Band of Cherokee Indians Reservation

Field Scientist and Project Principal for Delineation of Over 70 Individual Wetland Systems, Cherokee, North Carolina

Communications Antenna Support Structure Osprey Nest Activity Surveys

Field Scientist and Project Principal Participation in Many Sites Throughout the Southeastern US

Phase I Environmental Site Assessments

Combined Project Manager and Project Principal Participation in Thousands of Projects Nationwide

Phase II Environmental Assessments, UST Removals, Groundwater Monitoring Events, and Petroleum and Chlorinated Solvent Remediation System Installations

Multiple Projects in Southeastern and Midwestern United States

Baseline Water Quality Testing and Benthic and Fish Assemblage Assessment

City of Hiawassee, Hiawassee, Georgia

Ecological Risk Assessment

Brown's Lake, Fort Eustis, Newport News, Virginia

Benthic, Geomorphology, and Water Quality Evaluation

Upper Occoquan Sewage Authority, Bull Run, Manassas, Virginia

Fisheries Assessment and Management Plan Development

750-Acre Lake Lure, North Carolina

Fisheries Assessment and Management Plan Development

Lake Ravenel, Highlands, North Carolina

Brook Trout Genetic Typing, Population Estimate, Habitat Survey, and Restoration

Multiple Projects throughout Western North Carolina

VA Environmental Impact Reports

Multiple Projects for Virginia Port Authority and Virginia Department of Juvenile Justice

Evaluation of Lead Isotopic Composition of Freshwater Snails of Richland Creek Basin

Masters Thesis, Waynesville, North Carolina

Asbestos and Lead-Based Paint Inspections, Abatement Monitoring, and Preparation of Abatement Specifications

Multiple Projects throughout Georgia

Geotechnical Investigations and Construction Materials Testing

Cell Tower and Fiber Optic Communications Infrastructure – Multiple Projects Nationwide

Attachment D

SHPO Information

RECEIVED
MAY 23 2013
HISTORIC PRESERVATION OFFICE

For North Carolina HPO
Use Only

CT 13 - 1006

Quad Name: Kitty Hawk, NC (1982)

DRØ 416 House
DRØ 417 Pipkin House - SL

Recommended by/on: OK
(Survey & Planning Branch)

6.17.13
Date

MAY 28 2013

CLIP

Legal Notices

SEMENT

Velocitel, Inc. (on behalf of AT&T Mobility) proposes to construct a 130-foot overall height flagpole telecommunications structure. The tower would be located at 148-A Ocean Boulevard, Southern Shores, Dare County, North Carolina. Velocitel invites comments from any interested party on the impact the proposed undertaking may have on any districts, sites, buildings, structures or objects significant in American history, archaeology, engineering, or culture that are listed or determined eligible for listing in the National Register of Historic Places. Comments pertaining specifically to historic resources may be sent to Environmental Corporation of America, ATTN: Dina Bazzill, 1375 Union Hill Industrial Court, Suite A, Alpharetta, GA 30004. Ms. Bazzill can be reached at (770) 667-2040 ext. 111. Comments must be received within 30 days of the date of this notice.

STATE OF NORTH CAROLINA

COUNTY OF DARE

AFFIDAVIT OF PUBLICATION

Before the undersigned, a Notary Public of said county and state, duly commissioned, qualified, and authorized by law to administer oaths, personally

appeared Chris Jensen

who, being first duly sworn, deposes and says: that he (she) is Sales Manager of the Outer Banks Sentinel, a newspaper published, issued, and entered as periodical class mail in the City of Nags Head in said County and State; that he (she) is authorized to make this affidavit and sworn statement; that the notice or other legal advertisement, a true copy of which is attached hereto, was published in the Outer Banks Sentinel on the following dates:

June 19, 2013

and that the said newspaper in which such notice, paper, document, or legal advertisement was published, was at the time of each and every such publication, a newspaper meeting all the the requirements and qualifications of Section 1-597 of the General Statutes of North Carolina and was a qualified newspaper within the meaning of Section 1-597 of the General Statutes of North Carolina.

This 19th day of June 2013



(Signature of person making affidavit)

Sworn to and subscribed before me, this

25th day of June 2013



Notary Public

My commission expires

12/26/2017





ENVIRONMENTAL CORPORATION OF AMERICA

ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

Section 106 Review

TCNS ID 95672

Proposed 130-Foot Overall Height Flagpole
Telecommunications Structure

AT&T Site NF610-C (Hickory)

148-A Ocean Boulevard
Southern Shores, Dare County,
North Carolina

ECA Project No. L-677b



SUBMITTED TO:

Renee Gledhill-Earley
North Carolina Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

PREPARED BY:

Environmental Corporation of America
1375 Union Hill Industrial Ct., Suite A
Alpharetta, GA 30004



ENVIRONMENTAL CORPORATION OF AMERICA

ENVIRONMENTAL | GEOTECHNICAL | WETLANDS | ECOLOGY | CULTURAL RESOURCES

June 25, 2013

North Carolina Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

Attention: **Renee Gledhill-Earley**

Subject: Section 106 Review
TCNS ID #95672
Proposed 130-Foot Overall Height
Flagpole Telecommunications Structure
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
ECA Project #: L-677b

Dear Ms. Gledhill-Earley:

Environmental Corporation of America's (ECA) client, Velocitel, Inc. (on behalf of AT&T Mobility), is proposing to lease a 34-foot by 45-foot (~10-meter by 14-meter) area for the construction of a telecommunications facility as described in the following FCC Form 620, New Tower (NT) Submission Packet. The facility would consist of a fenced compound surrounding a 130-foot overall height flagpole telecommunications structure and associated ground-level support equipment. The facility would be accessible by an approximate 100-foot long by 20-foot wide (~30-meter by 6-meter) access/utility easement from Ocean Boulevard.

ECA has identified and evaluated Historic Properties within the Area of Potential Effect (APE) for visual and direct effects as directed in Sections VI.D.1 and 2 of the Nationwide Programmatic Agreement, effective on March 7, 2005. We have found no properties listed in or eligible for the National Register of Historic Places (NRHP) within either APE.

The North Carolina Historic Preservation Office (NC SHPO), Survey and Planning Branch, has researched their files for identified Historic Properties within the proposed project's APE for visual effects. Two resources (DR0416, DR0417) were identified within the ½-mile visual APE. However, the NC SHPO response indicated that the properties will not be affected by the proposed telecommunications facility.

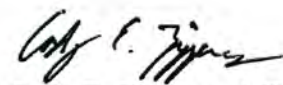
The NC SHPO Office of State Archaeology searched their databases for previously recorded archaeological sites within the proposed project's APE for direct effects. No previously recorded archaeological resources were found within the immediate area of the tower. ECA also conducted a Phase I Archaeological Assessment at the proposed project site on June 4, 2013. During our fieldwork, we discovered no archaeological sites or cultural artifacts (see Attachment E-1c).

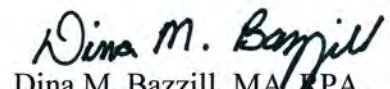
Based on review of the historic aerial photography, the proposed lease area appears to have been open and vacant from at least 1952 until at least 2009. In 2011, the proposed lease area appears to have been landscaped with a brick walkway. Residential development is seen on surrounding properties and increases in volume throughout all reviewed aerial photographs.

Based on this documentation, prepared in accordance with the Nationwide Programmatic Agreement effective March 7, 2005, ECA believes that this proposed facility would have no effect on any Historic Properties identified in accordance with the NPA. Therefore, we recommend a finding of "No Effect" for the proposed undertaking.

We are submitting this letter, on behalf of Velocitel, Inc. (on behalf of AT&T), to comply with Federal Communications Commission (FCC) requirements as identified in 47 CFR 1.1307. Please contact our office with questions or comments.

Sincerely,
Environmental Corporation of America


Cody E. Zipperer, MPH
Project Scientist


Dina M. Bazzill, MA, RPA
Principal Investigator

General Information

1) (Select only one) (NE) NE – New UA – Update of Application WD – Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number:

Applicant Information

3) FCC Registration Number (FRN): 0021840798
4) Name: AT&T Mobility

Contact Name

5) First Name: Anisa	6) MI:	7) Last Name: Latif	8) Suffix:
9) Title:			

Contact Information

10) P.O. Box:	And /Or	11) Street Address: 1120 20th St NW, Suite 1000	
12) City: Washington		13) State: DC	14) Zip Code: 20036
15) Telephone Number: 202-457-3068		16) Fax Number:	
17) E-mail Address: al7161@att.com			

Consultant Information

18) FCC Registration Number (FRN): 0011662921
19) Name: Environmental Corporation of America

Principal Investigator

20) First Name: Dina	21) MI: M	22) Last Name: Bazzill	23) Suffix:
24) Title: MA, RPA - Principal Archaeologist / Principal Historian			

Principal Investigator Contact Information

25) P.O. Box:	And /Or	26) Street Address: 1375 Union Hill Industrial Court, Suite A	
27) City: Alpharetta		28) State: GA	29) Zip Code: 30004
30) Telephone Number: 770-667-2040		31) Fax Number: 770-667-2041	
32) E-mail Address: dina.bazzill@eca-usa.com			

Professional Qualification

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	<input checked="" type="checkbox"/> <u>Yes</u> <input type="checkbox"/> <u>No</u>
34) Areas of Professional Qualification: (<input checked="" type="checkbox"/>) Archaeologist () Architectural Historian (<input checked="" type="checkbox"/>) Historian () Architect () Other (Specify) _____	

Additional Staff

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	<input type="checkbox"/> <u>Yes</u> <input checked="" type="checkbox"/> <u>No</u>
--	---

If "Yes", complete the following:

36) First Name:	37) MI:	38) Last Name:	39) Suffix:
40) Title:			
41) Areas of Professional Qualification: () Archaeologist () Architectural Historian () Historian () Architect () Other (Specify) _____			

This page may be copied to include additional staff.
Consultant Information Attachments required – See instructions for details.

Site Information

Tower Construction Notification System

1) TCNS Notification Number: 95672

Site Information

2) Site Name: AT&T Site NF610-C (Hickory)

3) Site Address: 148-A Ocean Boulevard

4) City: Southern Shores

5) State: NC

6) Zip Code: 27949

7) County/Borough/Parish: Dare

8) Nearest Crossroads: Ocean Boulevard and Duck Road

9) NAD 83 Latitude (DD-MM-SS.S): 36-07-15.0

☒ N or ☐ S

10) NAD 83 Longitude (DD-MM-SS.S): 75-43-25.3

☐ E or ☒ W

Tower Information

11) Tower height above ground level (include top-mounted attachments such as lightning rods): 130 ☒ Feet ☐ Meters

12) Tower Type (Select One):

☐ Guyed lattice tower

☐ Self-supporting lattice

☐ Monopole

☒ Other (Describe): Flagpole

Project Status

13) Current Project Status (Select One):

☒ Construction has not yet commenced

☐ Construction has commenced, but is not completed

Construction commenced on: ____/____/____

☐ Construction has been completed

Construction commenced on: ____/____/____

Construction completed on: ____/____/____

Site Information Attachments required – See instructions for details.

Determination of Effect

14) Direct Effects (Select One):

- ☒ No Historic Properties in Area of Potential Effects (APE)
- ☐ No Effect on Historic Properties in APE
- ☐ No Adverse Effect on Historic Properties in APE
- ☐ Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- ☐ No Historic Properties in Area of Potential Effects (APE)
- ☒ No Effect on Historic Properties in APE
- ☐ No Adverse Effect on Historic Properties in APE
- ☐ Adverse Effect on one or more Historic Properties in APE

Determination of Effect Attachments required – See instructions for details.

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?		(<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>95672</u>		Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system: <u>None</u>		Number of Tribes/NHOs: <u>NA</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <div style="text-align: center;">Tuscarora Nation</div>

Contact Name

5) First Name: <u>Leo</u>	6) MI: <u>R</u>	7) Last Name: <u>Henry</u>	8) Suffix:
9) Title: <u>Chief</u>			

Dates & Response

10) Date Contacted <u>5/24/2013</u>	11) Date Replied _____
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
(<input checked="" type="checkbox"/>) Replied/Other <u>Requested 30-Day Response Limit Agreement</u>	

This page may be copied to include additional Tribes/NHOs contacted.

Tribal/NHO Involvement Attachments may be required – See instructions for details.

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?		(<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>95672</u>		Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system: <u>None</u>		Number of Tribes/NHOs: <u>NA</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <div style="text-align: center;">Cherokee Nation</div>

Contact Name

5) First Name: <u>Richard</u>	6) MI: <u>L</u>	7) Last Name: <u>Allen</u>	8) Suffix:
9) Title: <u>Policy Analyst</u>			

Dates & Response

10) Date Contacted <u>5/24/2013</u>	11) Date Replied _____
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
(<input checked="" type="checkbox"/>) Replied/Other <u>Requested Archaeology Assessment, then 30-Day Response Limit Agreement</u>	

This page may be copied to include additional Tribes/NHOs contacted.

Tribal/NHO Involvement Attachments may be required – See instructions for details.

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects? (<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>	
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>95672</u>	Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system: <u>None</u>	Number of Tribes/NHOs: <u>NA</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <p style="text-align: center;">Eastern Shawnee Tribe of Oklahoma</p>

Contact Name

5) First Name: <u>Robin</u>	6) MI:	7) Last Name: <u>Dushane</u>	8) Suffix:
9) Title: <u>THPO</u>			

Dates & Response

10) Date Contacted <u>5/24/2013</u>	11) Date Replied _____
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
(<input checked="" type="checkbox"/>) Replied/Other <u>Requested Archaeology Assessment, SHPO Response, and review fee</u>	

This page may be copied to include additional Tribes/NHOs contacted.

Tribal/NHO Involvement Attachments may be required – See instructions for details.

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects? (<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>	
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>95672</u>	Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system: <u>None</u>	Number of Tribes/NHOs: <u>NA</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <p style="text-align: center;">Shawnee Tribe</p>

Contact Name

5) First Name: <u>Kim</u>	6) MI:	7) Last Name: <u>Jumper</u>	8) Suffix:
9) Title: <u>TYPO</u>			

Dates & Response

10) Date Contacted <u>5/24/2013</u>	11) Date Replied _____
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
(<input checked="" type="checkbox"/>) Replied/Other <u>Requested Archaeology Assessment, SHPO Response, and review fee</u>	

This page may be copied to include additional Tribes/NHOs contacted.

Tribal/NHO Involvement Attachments may be required – See instructions for details.

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects? (<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>	
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>95672</u>	Number of Tribes/NHOs: <u>5</u>
2b) Tribes/NHOs contacted through an alternate system: <u>None</u>	Number of Tribes/NHOs: <u>NA</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Catawba Indian Nation Cultural Preservation Project

Contact Name

5) First Name: <u>Wenonah</u>	6) MI: <u>G</u>	7) Last Name: <u>Haire</u>	8) Suffix:
9) Title: <u>THPO and Executive Director</u>			

Dates & Response

10) Date Contacted <u>5/24/2013</u>	11) Date Replied _____
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
(<input checked="" type="checkbox"/>) Replied/Other <u>Requested Limited Section 106 Review documentation, SHPO response, and review fee</u>	

This page may be copied to include additional Tribes/NHOs contacted.

Tribal/NHO Involvement Attachments may be required – See instructions for details.

Other Tribes/NHOs Contacted

Tribe/NHO Information

1) FCC Registration Number (FRN):
2) Name:

Contact Name

3) First Name:	4) MI:	5) Last Name:	6) Suffix:
7) Title:			

Contact Information

8) P.O. Box:	And /Or	9) Street Address:	
10) City:		11) State:	12) Zip Code:
13) Telephone Number:		14) Fax Number:	
15) E-mail Address:			
16) Preferred means of communication: <input type="checkbox"/> E-mail <input type="checkbox"/> Letter <input type="checkbox"/> Both			

Dates & Response

17) Date Contacted ____/____/____	18) Date Replied ____/____/____
<input type="checkbox"/> No Reply	
<input type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other _____	

This page may be copied to include additional Tribes/NHOs.

Historic Properties

Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	() <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	() <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	() <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o

Historic Property

4) Property Name:
5) SHPO Site Number:

Property Address

6) Street Address:		
7) City:	8) State:	9) Zip Code:
10) County/Borough/Parish:		

Status & Eligibility

11) Is this property listed on the National Register? Source: _____	() <u>Y</u> es () <u>N</u> o
12) Is this property eligible for listing on the National Register? Source: _____	() <u>Y</u> es () <u>N</u> o
13) Is this property a National Historic Landmark?	() <u>Y</u> es () <u>N</u> o

14) Direct Effects (Select One): <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE
15) Visual Effects (Select One): <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE

This page may be copied to include additional Historic Properties.
Historic Property Attachments required – See instructions for details.

Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN):
2) Name: Town of Southern Shores, Planning and Code Enforcement

Contact Name

3) First Name: Wes	4) MI:	5) Last Name: Haskett	6) Suffix:
7) Title: Town Planner/Code Enforcement Officer			

Contact Information

8) P.O. Box:	And /Or	9) Street Address: 5375 North Virginia Dare Trail	
10) City: Southern Shores		11) State: NC	12) Zip Code: 27949
13) Telephone Number: (252) 261-2394		14) Fax Number: (252) 255-0876	
15) E-mail Address: WHaskett@southernshores-nc.gov			
16) Preferred means of communication: <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Letter <input type="checkbox"/> Both			

Dates & Response

17) Date Contacted 05 / 22 / 13	18) Date Replied 05 / 23 / 13
<input type="checkbox"/> No Reply	
<input checked="" type="checkbox"/> Replied/No Interest	
<input type="checkbox"/> Replied/Have Interest	
<input type="checkbox"/> Replied/Other _____	

Additional Information

19) Information on local government's role or interest (optional):
--

This page may be copied to include additional local government agencies.
Local Government Attachments required – See instructions for details.

Other Consulting Parties

Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	(<input type="checkbox"/>) Yes (<input checked="" type="checkbox"/>) No
--	---

Consulting Party

2) FCC Registration Number (FRN):
3) Name:

Contact Name

4) First Name:	5) MI:	6) Last Name:	7) Suffix:
8) Title:			

Contact Information

9) P.O. Box:	And /Or	10) Street Address:	
11) City:		12) State:	13) Zip Code:
14) Telephone Number:		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (<input type="checkbox"/>) E-mail (<input type="checkbox"/>) Letter (<input checked="" type="checkbox"/>) Both			

Dates & Response

18) Date Contacted ____/____/____	19) Date Replied ____/____/____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other _____	

Additional Information

20) Information on other consulting parties' role or interest (optional):

This page may be copied to include additional consulting parties.
Consulting Parties Attachments required – See instructions for details.

Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

SHPO/THPO

Name: North Carolina State Historic Preservation Officer - Ms. Renee Gledhill-Earley

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

SHPO/THPO Name: _____

SHPO/THPO Name: _____

SHPO/THPO Name: _____

Designation of SHPO/THPO Attachments may be required – See instructions for details.

Certification

I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete.

Party Authorized to Sign

First Name: <u>Dina</u>	MI: <u>M</u>	Last Name: <u>Bazzill</u>	Suffix:
Signature: <u>Dina M. Bazzill-MA, RPA</u>			Date: <u>6, 24, 13</u>

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

Attachment A

Consultant Information

Resume/Curriculum Vitae



Dina M. Bazzill, MA, RPA

Principal Archaeologist/Historian
1375 Union Hill Industrial Court, Suite A, Alpharetta, GA 30004
(770) 667-2040 Ext. 111
dina.bazzill@eca-usa.com

EDUCATION

East Carolina University
M.A., Maritime Studies
Graduated: May 2007
GPA: 3.89/4.0

Greenville, NC

Southwest Missouri State University
B.A., Anthropology, minor in Antiquities
Graduated: May 2004, Magna Cum Laude
GPA: 3.8/4.0

Springfield, MO

PROFESSIONAL CERTIFICATIONS

Secretary of the Interior's 36CFR61 Professional Qualification Standards for Archaeology and History since 2007
Register of Professional Archaeologist since 2007
Section 106 Training Certification from SRI Foundation, 2009
Advanced Section 106 Training Certification from the Advisory Council on Historic Preservation, 2009
NEPA Compliance and Cultural Resources Training Certification from the National Preservation Institute, 2009
Section 4 (f) Compliance for Historic Properties Training Certification from the National Preservation Institute, 2009
Identification and Management of Traditional Cultural Properties Training Certification from the National Preservation Institute, 2009
Tribal Consultation Training Certification from the SRI Foundation, 2010

RELATED EMPLOYMENT

June 2007 – Present **Environmental Corporation of America**

Alpharetta, GA

Position: Principal Investigator

Responsibilities:

- Archaeological and historical research.
- Conducting archaeological and historical site assessments for Section 106 compliance.
- Authoring Section 106/archaeological assessment/phase one environmental impact reports for submission to clients, SHPO offices, tribes, consulting parties, and other state agencies.

REPRESENTATIVE EXPERIENCE

June 2007 - Present **Section 106 Cell Tower Evaluations**

USA

Dina M. Bazzill, Principal Archaeologist/Historian

Goals: The scope of work for these projects has included over 100 archaeological and historic standing structures site assessments for the Section 106 review process in forty different states.

May/June 2011 **Chicago and North Western Railway Bridge Replacement: Phase I Underwater Archaeological Survey**

Oshkosh, WI

Dina M. Bazzill, Principal Archaeologist/Historian

Goals: The scope of work for this project included a Phase I side-scan sonar survey for the replacement of the Chicago and North Western Railway Line over the Fox River in Oshkosh, Winnebago County, Wisconsin. The side-scan sonar survey was performed by Jerry Guyer of Pirate's Cove Diving Inc. Dina M. Bazzill performed the necessary research, analyzed the side-scan sonar data, and prepared a report in conformance with Wisconsin Historical Society Guidelines.

Robbinsville, NC

Dina M. Bazzill, Field Director and John P. McCarthy, Principal Investigator

Goals: The scope of work for this project included a survey for a proposed Eastern Band of Cherokee Indians Youth Center located on Forest Service land in Robbinsville, North Carolina. High probability landforms were tested as per Forest Service archaeological testing guidelines. Shovel tests were excavated at 65-foot intervals, where appropriate. Key staff members included Dina M. Bazzill, Field Director and John P. McCarthy, Principal Director. Dina M. Bazzill authored the report, with the assistance of John P. McCarthy.

Cherokee, NC

Dina M. Bazzill, Project Archaeologist and John P. McCarthy, Principal Investigator

Goals: The scope of work for this project included a survey for a proposed jail located on the Eastern Band of Cherokee Indians reservation in Cherokee, North Carolina. The entire proposed property was systematically surveyed utilizing guidelines provided by the EBCI THPO office. Shovel tests were excavated at 65-foot intervals, where appropriate. Key staff members included Dina M. Bazzill, Project Archaeologist and John P. McCarthy, Principal Director. John P. McCarthy authored the report, with the assistance of Dina M. Bazzill.

Cherokee,

NC

Dina M. Bazzill, Field Director and John P. McCarthy, Principal Investigator

Goals: The scope of work for this project included a systematic survey for a proposed sewer line replacement located on the Eastern Band of Cherokee Indian Reservation in Cherokee, North Carolina. A pedestrian survey was conducted, and shovel tests were conducted as per EBCI THPO office guidelines. This entailed excavating shovel tests at 65-foot intervals, where appropriate. Crew members included Dina M. Bazzill, Field Director, who supervised Mary E. Seagrave, field technician, Dave McGlothlin, field technician, and Landon Abernethy, field technician. John P. McCarthy oversaw the fieldwork and the report preparations, with assistance from Dina M. Bazzill.

Lewis Creek, IN

Dina M. Bazzill, Principal Investigator

Goals: The scope of work for this project included delineating a circa 1840 pioneer homestead located in Lewis Creek, Indiana in order to determine National Register of Historic Places eligibility. Dina M. Bazzill served as Principal Investigator and supervised Mary E. Seagrave, Project Archaeologist. Artifacts recovered from the field work were analyzed and photographed by Dina M. Bazzill. A Section 106 Review was prepared by Dina M. Bazzill and submitted to the Indiana State Historic Preservation Office for their review and comment.

Jamaica

Dina M. Bazzill, Principal Investigator

Goals: The scope of work for this project included a preliminary tow board survey of Bluefields Bay, Jamaica. In addition, crew members investigated submerged artifacts identified by local fishermen. This Bay was a known center for commercial and illicit activity from the 17th to the 19th centuries. Results from the survey were assimilated into a comprehensive report on the cultural resources of the Bay and surrounding areas. Due to recent development interests in the area, this information is necessary to protect both submerged and terrestrial resources before they are lost to new development. Fieldwork for the preliminary survey was completed in May, and the report is pending.

Norcross, GA

Dina M. Bazzill, Field Director and Principal Investigator

Goals: The scope of work for this project includes a Phase I survey of a seven acre tract of land in the City of Norcross, Georgia. ECA evaluated archaeological and historic resources present within the survey area and advise the City of Norcross on how best to preserve these resources and utilize them for educational purposes. In addition, a comprehensive user friendly report was produced.

Nashville, TN

Artis West, Principal Investigator

Goals: The scope of work for this project included placing 10-foot deep two trenches with the proposed APE for direct effects for a proposed cell tower located adjacent to the Harpeth River in Nashville, Tennessee. Backfill soil was selectively sampled and negative findings were recorded. A report summarizing the findings was prepared and accepted by the Tennessee Historical Commission, Division of Archaeology.



Cody E. Zipperer, MPH

Project Scientist/Manager

1375 Union Hill Industrial Court, Suite A, Alpharetta, GA 30004

(770) 667-2040 Ext. 102

cody.zipperer@eca-usa.com

EDUCATION

University of Georgia

Athens, GA

Master of Public Health, Environmental Health Science, 2009-2011

University of Georgia

Athens, GA

Bachelor of Science, Biology, 2004-2008

Minor: Anthropology

PROFESSIONAL EXPERIENCE

January 2013– Present

Environmental Corporation of America

Alpharetta, GA

Position: Project Scientist

Responsibilities:

Managing Federal Communications Commission (FCC)/National Environmental Policy Act (NEPA) evaluations for telecommunications facilities. Completing Phase I Environmental Assessments in compliance with the ASTM E1527-00 and ASTM E1527-05 standards. Completing archaeological and historical site assessments for Section 106 compliance. Completing and submitting to the State Historic Preservation Offices or county zoning administrations evaluation of Proposed Tower Impacts on Historic Properties or Visual Assessment Reports. Other project types and duties include field data and sample collection, data reduction, and report preparation.

September 2011 – December 2012

Georgia Tech, School of Biology

Atlanta, GA

Position: Research Technician II

Responsibilities:

Develop protocols and perform experiments on NIH grant-funded research involving life extension as it relates to diet. Designed experiments utilizing dsRNA transfections, chemical treatments, and toxicity screenings. Performed DNA/RNA extractions, developed genetic primers, performed PCR and qPCR, and fluorescent/confocal microscopy. Maintained both freshwater and marine cultures of various algae and rotifer species. Upheld established environmental health procedures in order to maintain a safe and aseptic workplace.

January 2010 – August 2011

UGA, College of Ag & Envir Sciences

Athens, GA

Position: Laboratory Technician

Responsibilities:

Analyze seed samples to determine oil percentages using NMR. Utilized Gas Chromatography to calculate concentrations of fatty acids. Extracted DNA from samples and performed PCR and DNA restriction digests. Extensive field work taking measurements and gathering samples. Maintained and added to large data sets. Followed set protocols for laboratory safety in the presence of carcinogens and radiation.

December 2010 – May 2011

USDA – Agricultural Research Service

Athens, GA

Position: Research Internship

Responsibilities:

Authored protocols for the analysis of tissues, cells, and body fluids. Determined preliminary dose ranges for animal models exposed to the toxin Fumonisin. Analyzed mouse liver, kidney, and embryo tissue for toxin level changes following treatment. Examined human blood and urine samples for fluctuations in toxin levels. Conducted data collection and analysis using LC-MS. Assessed correlation between sphingolipid levels and neural tube defect incidence in areas that show high exposure to Fumonisin toxins. Ensured laboratory safety by following safety protocols of working in the presence of biohazards.

PROFESSIONAL ASSOCIATIONS, CERTIFICATIONS, AND AWARDS

American Association for the Advancement of Science (AAAS); American Public Health Association (APHA); Certified in Basic Disaster Life Support (BDLS) and Advanced Disaster Life Support (ADLS); Certified in FEMA NIMS ICS-100, 200, 700, 800.

Attachment B

Site Information

1: Photographs

The following photographs were taken using a digital camera from a height of 6'0".

- a:** Directional photographs taken from the Proposed Tower Site and of the associated access road.
- b:** Photographs of all listed or eligible properties within the Areas of Potential Effects, if any.
- c:** Photographs from listed or eligible properties within the Area of Potential Effects looking toward the proposed tower site, if any.
- d:** Aerial photograph showing APE for visual effects.



A: Northerly View From Proposed Flagpole Center



B: Easterly View From Proposed Flagpole Center

AT&T Site NF610-C (Hickory)
 148-A Ocean Boulevard
 Southern Shores, Dare County, North Carolina
 Attachment B-1a: Photographs
 Page 3 of 12



ECA Proj. #: L-677b



C: Southerly View From Proposed Flagpole Center



D: Westerly View From Proposed Flagpole Center

AT&T Site NF610-C (Hickory)
 148-A Ocean Boulevard
 Southern Shores, Dare County, North Carolina
 Attachment B-1a: Photographs
 Page 4 of 12



ECA Proj. #: L-677b



E: Northeasterly Overview of Proposed Lease Area



F: Southeasterly View of Proposed Access/Utility Easement

AT&T Site NF610-C (Hickory)
 148-A Ocean Boulevard
 Southern Shores, Dare County, North Carolina
 Attachment B-1a: Photographs
 Page 5 of 12



ECA Proj. #: L-677b



G: Northeasterly View of Proposed Access/Utility Easement



H: Southwesterly View of Proposed Access/Utility Easement

AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
Attachment B-1a: Photographs
Page 6 of 12



ECA Proj. #: L-677b



I: Soil Overview of Shovel Test Pit 1 (STP1)



J: Soil Profile of STP1

AT&T Site NF610-C (Hickory)
 148-A Ocean Boulevard
 Southern Shores, Dare County, North Carolina
 Attachment B-1a: Photographs
 Page 7 of 12



ECA Proj. #: L-677b



Source: 2011 Google Earth TM Aerial Photography



AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

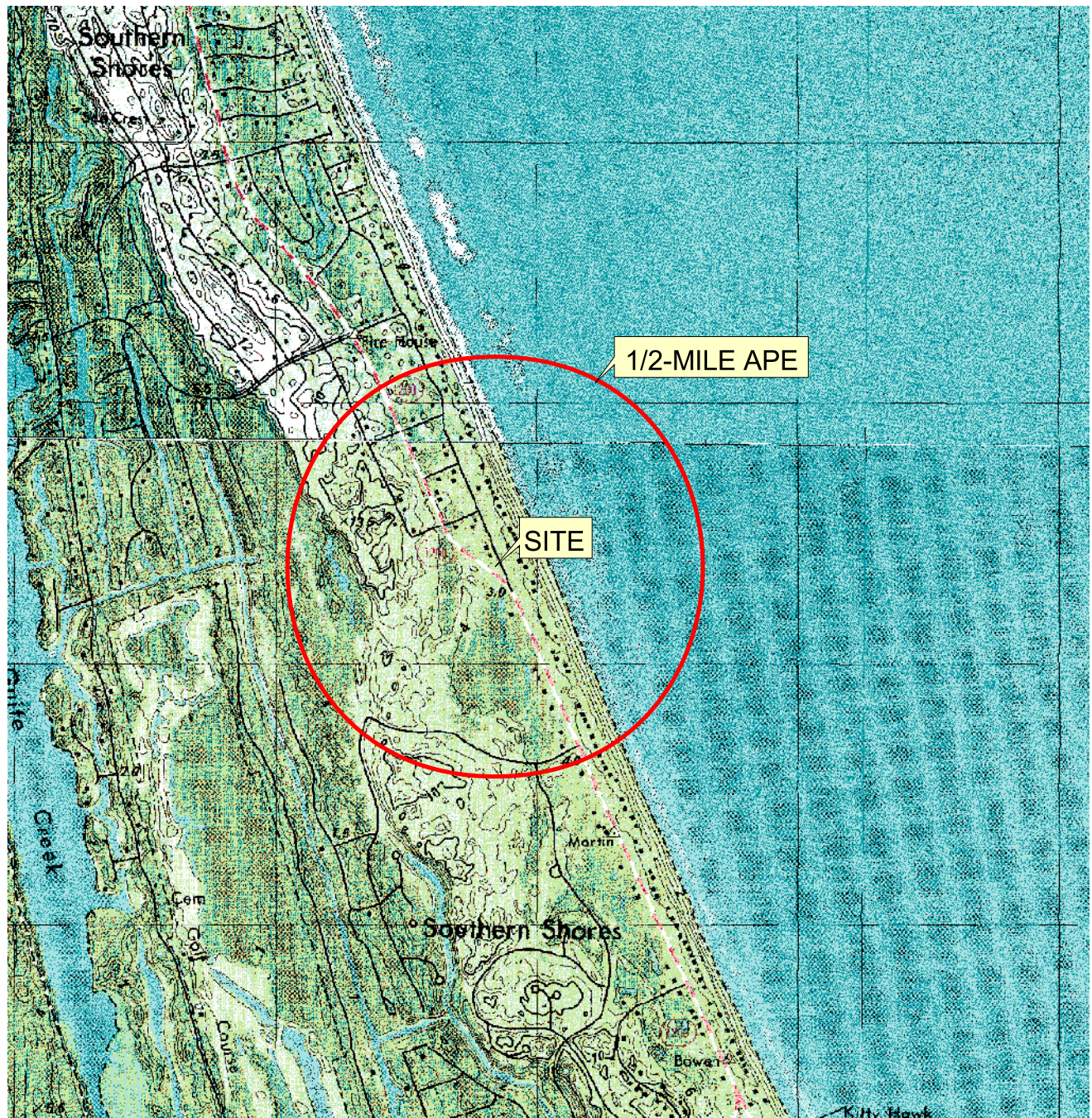
Attachment B-1d: 2011 Aerial Photograph
Page 8 of 12



ECA Proj. #:L-677b

2: Maps

- a:** 7.5-Minute topographic map showing the Area of Visual Effects and the location of any identified historic properties
- b:** 7.5-Minute topographic map showing the Area of Direct Effects including any new access roads or other easements
- c:** Site Vicinity Plan showing the location of the proposed tower site, any new access roads, easements, additional structures, utility lines, fences, and excavations.



2000 0 2000 Feet

A horizontal scale bar with three segments. The first segment is labeled '2000', the middle segment is labeled '0', and the third segment is labeled '2000 Feet'.

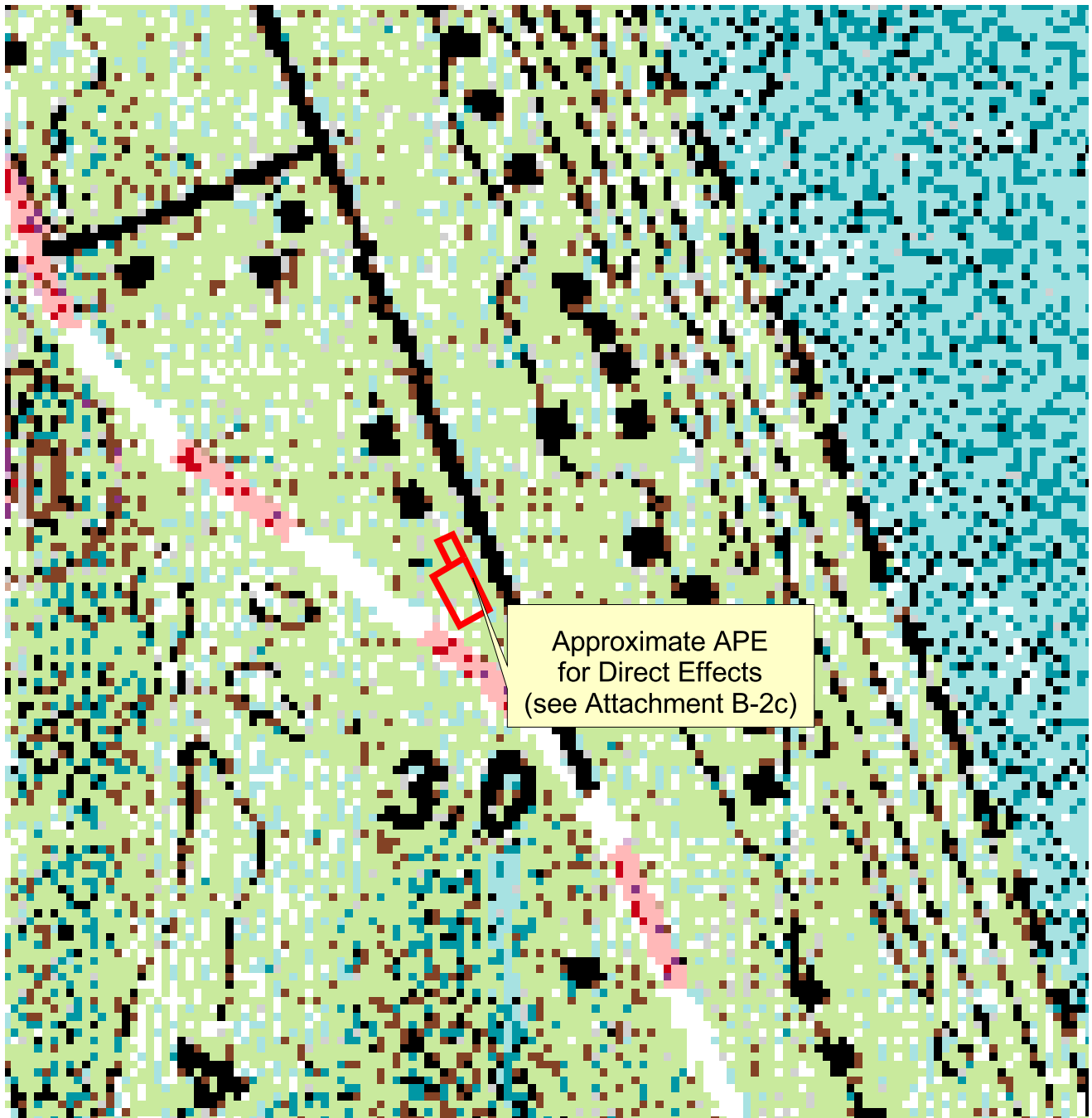
Source: USGS Topographic Quadrangle Maps, 7.5 Minute Series, Jarvisburg, NC (1982), Martin Point, NC (1982), Point Harbor, NC (1999), and Kitty Hawk, NC (1982).



AT&T Site NF610-C (Hickory)
 148-A Ocean Boulevard
 Southern Shores, Dare County, North Carolina
 Attachment B-2a: Area of Visual Effect
 Page 10 of 12



ECA Proj. #: L-677b



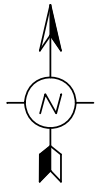
Source: USGS Topographic Quadrangle Map, 7.5 Minute Series, Kitty Hawk, NC (1982).



AT&T Site NF610-C (Hickory)
 148-A Ocean Boulevard
 Southern Shores, Dare County, North Carolina
 Attachment B-2b: Area of Direct Effect
 Page 11 of 12



ECA Proj. #: L-677b



PARKING LOT

(F) (G)

(H)

TREES

STP3

PROPOSED APPROXIMATE
100' x 20' (30m x 6m)
ACCESS/UTILITY
EASEMENT

STP1

GRASS

GRASS

HEDGES

GRASS

PROPOSED 34' x 45'
(10m x 14m) LEASE
AREA

STP2

GRAVEL

PROPOSED 130' (40m)
FLAGPOLE
TELECOMMUNICATIONS
STRUCTURE

EXISTING BRICK
WALKWAY

GRASS

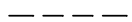
HEDGES

NOT TO SCALE

LEGEND



PHOTOGRAPH
ORIENTATION



PROPOSED
LEASE AREA



NEGATIVE SHOVEL
TEST PIT

(E)

FLOWERBED

GRASS

GRAVEL

AT&T Site NF610-C (Hickory)

148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Attachment B-2c: Site Vicinity Plan
Page 12 of 12

SOURCE: 6/4/2013 ECA Site Visit
2013 Warren Williams & Associates Survey

DRAWN BY: CEZ DATE: 6/4/2013
FILE NAME: F:\%L677b.dwg



ECA Project # L-677b

Attachment C

Determination of Effect

1: Areas of Potential Effects

a: Direct Effects

The APE for direct effects is limited to the site of the proposed tower and surrounding easements, as described in the Nationwide Programmatic Agreement.¹ For this particular undertaking the area of disturbance would include the proposed 34-foot by 45-foot (~10-meter by 14-meter) lease area, the approximate 12-foot long by 20-foot wide (~4-meter by 6-meter) access/utility easement, and all of the immediately adjacent areas. The general APE for direct effects is shown in Attachment B-2b and Attachment B-2c.

b: Visual Effects

The APE for visual effects is the geographic area or areas within which the facility may directly or indirectly cause alterations in the character or use of Historic Properties.² Unless otherwise noted, the area of potential effect for visual effect is as described in the Nationwide Programmatic Agreement:

- If the proposed tower is 200 feet or less in overall height, the APE is ½ mile in radius from the proposed tower.
- If the proposed tower is more than 200 feet in height and no more than 400 feet in height, the APE is ¾-mile in radius from the proposed tower.
- If the proposed tower is more than 400 feet in height, the APE is 1 ½ miles in radius from the proposed tower.³

The APE for visual effects is shown in Attachment B-2a: Area of Visual Effect.

2: Mitigation of Effect

- a: Copies of correspondence and summaries of oral communications with SHPO/THPO and any consulting parties including descriptions of alternatives that have been considered in order to avoid, minimize, or mitigate any adverse effects

Not Applicable

¹ Section VI.C.2 of the Nationwide Programmatic Agreement (WT Docket No. 03-128; FCC-222).

² Section II.3 of the Nationwide Programmatic Agreement (WT Docket No. 03-128; FCC-222).

³ Section VI.C.4.a-c of the Nationwide Programmatic Agreement (WT Docket No. 03-128; FCC-222).

Attachment D

Tribal and NHO Involvement

ECA made notification through the FCC Tower Construction Notification System (TCNS) in order to identify Indian Tribes and NHOs that may attach religious and cultural significance to Historic Properties that may be affected by the tower project within the APE for direct or visual effects.

ECA identified five federally recognized tribes that may be interested in participating in the Section 106 Review process in the county where the undertaking would occur. Any Tribe listed on the TCNS that does not respond within 14 and 30 days of initial notification will receive a follow up letter. Any Tribes requesting to be involved in the Section 106 Review consultation process will be provided a copy of this submission packet and will be provided an opportunity to comment on the proposed undertaking.

Copies of all relevant documents received to date, including correspondence, are provided in the following pages.

TRIBAL INVOLVEMENT
TCNS #95672 – INITIAL CONTACT May 24, 2013

INDIAN TRIBE OR NATION	SECOND TRIBAL CONTACT DATE	RESPONSE RECEIVED FROM TRIBE	REFER TO FCC	TRIBAL CLEARANCE
TUSCARORA NATION	NA	5/24/13 via TCNS – Requested 30-Day Response Limit Agreement	NA	6/23/13
CHEROKEE NATION		Standing request for Archaeology Assessment, then 30-day Response Limit Agreement	NA	
EASTERN SHAWNEE TRIBE OF OKLAHOMA		5/24/13 & 6/6/13 via TCNS – Requested Archaeology Assessment, SHPO Response, and review fee	NA	
SHAWNEE TRIBE		5/24/13 via TCNS – Requested Archaeology Assessment, SHPO Response, and review fee	NA	
CATAWBA INDIAN NATION CULTURAL PRESERVATION PROJECT		5/24/13 via TCNS – Requested Limited Section 106 Review documentation, SHPO Response, and review fee	NA	

-----Original Message-----

From: towernotifyinfo@fcc.gov [<mailto:towernotifyinfo@fcc.gov>]

Sent: Monday, May 20, 2013 5:10 PM

To: tribal.notify@eca-usa.com

Subject: Proposed Tower Structure Info - Email ID #3334351

Dear Dina M Bazzill,

Thank you for submitting a notification regarding your proposed construction via the Tower Construction Notification System. Note that the system has assigned a unique Notification ID number for this proposed construction. You will need to reference this Notification ID number when you update your project's Status with us.

Below are the details you provided for the construction you have proposed:

Notification Received: 05/20/2013

Notification ID: 95672

Tower Owner Individual or Entity Name: Environmental Corporation of America

Consultant Name: Dina M Bazzill

Street Address: 1375 Union Hill Industrial Court
Suite A

City: Alpharetta

State: GEORGIA

Zip Code: 30004

Phone: 770-667-2040

Email: tribal.notify@eca-usa.com

Structure Type: POLE - Any type of Pole

Latitude: 36 deg 07 min 15.0 sec N

Longitude: 75 deg 43 min 25.3 sec W

Location Description: 148-A Ocean Boulevard

City: Southern Shores

State: NORTH CAROLINA

County: DARE

Ground Elevation: 2.8 meters

Support Structure: 39.6 meters above ground level

Overall Structure: 39.6 meters above ground level

Overall Height AMSL: 42.4 meters above mean sea level

-----Original Message-----

From: towernotifyinfo@fcc.gov [<mailto:towernotifyinfo@fcc.gov>]
Sent: Friday, May 24, 2013 3:01 AM
To: tribal.notify@eca-usa.com
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER
CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3336054

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Chief Leo R Henry - Tuscarora Nation - Via: Lewiston, NY - regular mail
Details: If the Applicant/tower builder receives no response from the Tuscarora Nation within 30 days after notification through TCNS, the Tuscarora Nation has no interest in participating in pre-construction review for the site. The Applicant/tower builder, however, must IMMEDIATELY notify the Tuscarora Nation in the event archaeological properties or human remains are discovered during construction.

2. Policy Analyst Richard L Allen - Cherokee Nation - Tahlequah, OK - electronic mail

Details: The TCNS Details do not provide me enough information to conduct a proper assessment of the projects on behalf of the Cherokee Nation.

Therefore, I request that I be sent a brief summary of the Phase I findings [please try to limit the summary to between 1--10 pages], a topo of the area, and relevant photos. Please send these by email to rallen@cherokee.org. Please treat this request for additional material as a routine supplement to the TCNS Details Notification for each of your projects that fall within our Tribe's areas of geographic interest. Consequently, if you do not receive a response from me within 30 days from the date on which you e-mailed the supplemental items to me, you may move forward with the 20-Day Letter procedures pursuant to the FCC's guidelines. Thank you. -- Dr. Richard L. Allen

3. THPO Robin Dushane - Eastern Shawnee Tribe of Oklahoma - Seneca, MO - electronic mail

Details: Greetings from the Eastern Shawnee Tribe of Oklahoma.

The Eastern Shawnee Tribe of Oklahoma is interested in consulting on this tower or broadband project, just as we are interested in consulting on all federal undertakings in our homelands and otherlands of interest.

Consultation regarding our heritage resources is one of the activities required by the National Historic Preservation Act (NHPA) for undertakings licensed or permitted by federal agencies such as the FCC.

We have recently developed new NHPA consultation procedures for cell tower projects (dated 3-1-2013). These procedures may be obtained by e-mailing or calling the cell tower program archaeologist, Rebecca Hawkins (algonquin@neok.com; 918-541-0782). All further electronic correspondence regarding this tower should also be directed to Ms. Hawkins at that e-mail address. This is the e-mail address that we will use for all of our TCNS communications and final responses.

Thank you,

Robin Dushane, THPO
Eastern Shawnee Tribe of Oklahoma

4. THPO Kim Jumper - Shawnee Tribe - Miami, OK - regular mail

Details: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON ALL PROJECTS BUILT IN OUR AREAS OF GEOGRAPHIC INTEREST.

ATTENTION, NEW INFORMATION: Our procedures were updated on 14 January 2008. Please call Kim Jumper, THPO, at 918-542-2441, so that she can send you a copy.

If your tower is a co-location, please fax us this information to let us know. We cannot always tell from the TCNS web site that a tower is a co-location. We require a written response from you to let us know that it is a co-location. If a co-location project includes some new ground disturbance (such as from an expanded compound or access road, or

construction of an ancillary structure), the Shawnee Tribe treats such a project the same as any other non co-location project.

Our correct mailing/physical address is: 29 South Highway 69A. Our correct phone number is (918-542-2441) and our historic preservation fax line is (918-542-9915). THPO Kim Jumper manages all cell tower consultation.

As of 26 June 2006, all of the faxed responses of our final comments on a tower site will contain an original Shawnee Tribe signature. Each final comment fax is signed individually. Copies may be compared, for authentication, against the original in our files. If a final comment fax does not contain a signature, it is not valid. ALL FINAL COMMENTS FROM THE SHAWNEE TRIBE ARE WRITTEN; FINAL COMMENTS ARE NEVER PROVIDED VERBALLY. IF THE SHAWNEE TRIBE IS CREDITED WITH HAVING GIVEN A VERBAL RESPONSE, THAT RESPONSE IS NOT VALID.

If you receive notification through the TCNS listing the Shawnee Tribe, that is an indication that the Shawnee Tribe is interested in consulting on the tower for which that notification was received. Please consider that our official indication of interest to you. The Shawnee Tribe considers the Tower Construction Notification System's weekly e-mail to be the first notification that we receive that a tower will be constructed in an area of our concern. We do not view the TCNS notification as completion of 106 consultation obligations.

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated on 14 January 2008 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the tower builder's responsibility to make sure that you have our most recent consultation procedures.

PLEASE DO NOT SEND US INFORMATION, QUERIES, OR COMMENTS ELECTRONICALLY. SINCE 1 DECEMBER 2005, WE HAVE NOT HANDLED ANY CELL TOWER CONSULTATION, INQUIRIES, OR CORRESPONDENCE VIA E-MAIL.

5. THPO and Executive Director Dr. Wenonah G Haire - Catawba Indian Nation Cultural Preservation Project - Rock Hill, SC - electronic mail and regular mail

Details: The Catawba Indian Nation Tribal Historic Preservation Office requests that you send us by regular mail the following information needed to complete our research for the your proposed project:

Project Name _____

Project Number _____

____ 1. The name, complete address, phone number, fax number and e-mail address of the project manager.

____ 2. The project location plotted on a topo map.

____ 3. The project name, address and location; street or highway, city, county, state.

____4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated.

____5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.

____6. A list of all recorded archaeological sites within one half (1/2) mile of the project area.

____7. A list of all eligible and potentially eligible National Register of Historic Places sites within one half (1/2) mile of the proposed project area.

____8. If there has been an archaeological survey done in the area, a copy of that report.

____9. It is not necessary to send original color photos if you can provide high-resolution color copies.

____10. A letter of concurrence from the appropriate State Historic Preservation Office.

If you use the FCC Form 620, please do not send Attachments 1 through 6. They are not necessary for our determination. We do not have an interest in projects that require no ground disturbance.

Please note: Our research/processing fee is currently \$250. This fee will be changing to \$400 effective March 1, 2012. Please send these requested materials in hard copy format. Send to:

CIN-THPO
1536 Tom Steven Road
Rock Hill, S.C. 29730

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely

to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

6. SHPO Katherine Slick - Historic Preservation Div. - Office of Cultural Affairs - Santa Fe, NM - electronic mail and regular mail

7. Environmental Review Coordinator Renee Gledhill Earley - NC State Historic Preservation Office - Raleigh, NC - electronic mail

8. Deputy SHPO David Brook - Historic Preservation Office - Raleigh, NC - electronic mail

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 05/20/2013
Notification ID: 95672
Tower Owner Individual or Entity Name: Environmental Corporation of America
Consultant Name: Dina M Bazzill
Street Address: 1375 Union Hill Industrial Court
Suite A
City: Alpharetta
State: GEORGIA
Zip Code: 30004
Phone: 770-667-2040
Email: tribal.notify@eca-usa.com

Structure Type: POLE - Any type of Pole

Latitude: 36 deg 7 min 15.0 sec N
Longitude: 75 deg 43 min 25.3 sec W
Location Description: 148-A Ocean Boulevard
City: Southern Shores
State: NORTH CAROLINA
County: DARE
Ground Elevation: 2.8 meters
Support Structure: 39.6 meters above ground level
Overall Structure: 39.6 meters above ground level
Overall Height AMSL: 42.4 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

Attachment E

Historic Properties

Method of Identification:

The following sources and records were reviewed to identify Historic Properties within the Area of Potential Effect (APE) for visual and direct effects:

- i. Properties listed in the National Register;
- ii. Properties formally determined eligible for listing by the Keeper of the National Register;
- iii. Properties that the SHPO/THPO certifies are in the process of being nominated to the Nation Register;
- iv. Properties previously determined eligible as part of a consensus determination of eligibility between the SHPO/THPO and a Federal Agency or local government representing the Department of Housing and Urban Development (HUD); and
- v. Properties listed in the SHPO/THPO Inventory that the SHPO/THPO has previously evaluated and found to meet the National Register Criteria, and that are identified accordingly in the SHPO/THPO Inventory.¹

¹ Section VI.D.1.a.i-v of the Nationwide Programmatic Agreement (WT Docket No. 03-128; FCC-222)

1: Historic Properties Identified in the APE for Direct Effects

a: Historic Properties identified within the APE for direct effects

If any Historic Properties were identified, see *Historic Properties* pages within the FCC Form 620, Page 7.

b: Historic Properties within the APE, not listed in “a”, that ECA Considers to be Eligible for Listing in the National Register as a result of ECA’s research.

ECA has identified no Historic Properties within the area for direct effects.

c: Description of techniques and methodology used to identify Historic Properties within the APE for direct effects.

See *Archaeological Assessment*, Attachment E-1c.

2: Historic Properties Identified in the APE for Visual Effects

- a: Historic Properties Identified in the APE for visual effects that are listed in the National Register, have been formally determined eligible by the Keeper of the National Register, or have been evaluated and found to meet NR criteria for listing by the SHPO/THPO and are identified as such in the SHPO/THPO inventory.**

See *Historic Properties* pages within the FCC Form 620, Page 7.

- b: Historic Properties, not listed in part “a,” that are in the APE for visual effects that were identified through the comments of Indian Tribes, NHOs, local government, or members of the public.**

See *Historic Properties* pages within the FCC Form 620, Page 7.

- c: Properties listed in part “a,” which ECA considers no longer eligible for inclusion in the National Register**

Not applicable.

Attachment E-1c

Archaeological Assessment

CONFIDENTIAL NOTICE: Attachment E-1c and Attachment H may contain information on historic and/or prehistoric archaeological cultural resources. This information is to be regarded as strictly confidential and is not for public dissemination or distribution and is not to be published in the public domain or provided to any unauthorized parties.

Archaeological Assessment

TCNS ID #95672


*Proposed 130-Foot Overall Height Flagpole Telecommunications Structure
Within An Approximate 34-Foot by 45-Foot (~10-Meter by 14-Meter) Lease Area*

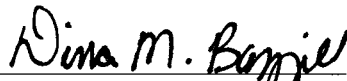
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina

Submitted to

Renee Gledhill-Earley
North Carolina Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

By


Cody E. Zipperer, MPH
Project Manager


Dina M. Bazzill, MA/RPA
Principal Investigator

June 24, 2013

ENVIRONMENTAL CORPORATION OF AMERICA
1375 UNION HILL INDUSTRIAL COURT, SUITE A
ALPHARETTA, GEORGIA 30004

ECA Project #: L-677b

Executive Summary

Environmental Corporation of America (ECA) has completed an Archaeological Assessment for the federal undertaking at the subject site. The subject site would include a proposed 34-foot by 45-foot (~10-meter by 14-meter) lease area containing a fenced compound and a proposed approximately 100-foot long by 20-foot wide (~30-meter by 6-meter) access/utility easement. The facility would include a 130-foot (~140-meter) overall height flagpole telecommunications structure and associated ground-level support equipment. The subject site is located at 148-A Ocean Boulevard, Southern Shores, Dare County, North Carolina.

This archaeological assessment was conducted in order to ascertain whether the proposed undertaking, on the project site, might directly or indirectly affect cultural resources, if any such resources exist. The North Carolina Historic Preservation Office (NC SHPO) Survey & Planning Branch and Office of State Archaeology have searched their databases for previously recorded archaeological sites and historical resource surveys within the proposed project's APE for direct effects. No previously recorded archaeological sites were found within the immediate area of the tower. During the course of the Phase I intensive field survey portion of this archaeological assessment, no archaeological cultural resources were encountered and no archaeological sites were discovered.

We conclude that the undertaking would not likely affect any historic or prehistoric archaeological resources that are listed in or eligible for listing in the National Register of Historic Places (NRHP). Therefore, for archaeological cultural resources, we recommend a finding of No Effect for the proposed undertaking at the project site.

*An Archaeological Assessment of a Proposed
34-Foot by 45-Foot (~10-Meter by 14-Meter) Telecommunications Facility
Southern Shores, Dare County, North Carolina*

Background

ECA was contracted by Velocitel, Inc. (on behalf of AT&T Mobility) to perform an archaeological assessment as part of the Section 106 Review process for the proposed telecommunications facility. The facility would be located at 148-A Ocean Boulevard, near Southern Shores, in Dare County, North Carolina. The purpose of our work was to determine whether any archaeological sites might exist within the project impact area.

The proposed lease area is located in an open, grassed area partially occupied by an existing brick walkway. Aerial photographs dating back to 1952 show the proposed lease area as open, grassed and sandy area. The lease area will be accessed via a proposed approximately 100-foot long by 20-foot wide (~30-meter by 6-meter) access/utility easement. The proposed access traverses an existing parking lot off Ocean Boulevard approximately 70 feet (~27 meters) southwest then approximately 18 feet (~5 meters) southeast and finally crosses a grassed area approximately 12 feet (~4 meters) southeast toward the proposed lease area. The proposed telecommunications facility lease area would measure 34 feet by 45 feet (~10 meters by 14 meters) with the center located at approximately N 36° 07' 15.0" W 75° 43' 25.3" (UTM 18 434875E, 3997593N). Photographs of the proposed project area are provided in Attachment B-1. Descriptions of the photographs are provided underneath each photograph.

The project area is located within the limits of the Kitty Hawk, NC United States Geological Survey (USGS) 7.5-minute Topographic Quadrangle Map², as shown on Attachment B-2a. Attachment B-2c is a site vicinity plan that shows the site configuration. Attachment B-1d is a recent aerial photograph³ of the site area. The facility would be located on a tract of grassed and sandy land, situated at an approximate elevation of 9 feet (~3 meters) Above Mean Sea Level (AMSL). The

² Geological Survey, 7.5-minute Topographic Quadrangle Map for *Kitty Hawk, NC* (1982).

³ 2011 Google Earth Aerial Photograph

nearest drainage feature is the Atlantic Ocean located approximately 600 feet (~183 meters) east of the proposed lease area.

The project area is located within the Lower Coastal Plain Physiographic Province of North Carolina. This area is characterized by sequences of sedimentary deposits overlying metamorphic and igneous bedrock. The landscape is relatively flat and low in elevation, shallowly dissected by a network of rivers and streams. The water table is at or very close to the land surface and wetlands and hydric soils are abundant. Soils in the Coastal Plain Province consist of unconsolidated sand, clay, marl, and shell strata. According to the USDA Dare County Web Soil Survey, soils found within the assessment area are Newhan fine sand. Newhan soils are listed as excessively drained soils, formed from sands deposited by wind along gently undulating dunes commonly near beaches and waterways along the coast.

The Area of Potential Effect (APE) is defined as “the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties, if any such properties exist”⁴. For purposes of this work, the APE for direct effects is the actual physical impact area. The impact area includes the 34-foot by 45-foot (~10-meter by 14-meter) lease area, the approximately 100-foot long by 20-foot wide (~30-meter by 6-meter) access/utility easement, and all of the immediately adjacent areas.

Literature and Documents Search

National Register of Historic Places

The National Register of Historic Places (NRHP)⁵ is the Nation’s official list of cultural resources worthy of preservation. Authorized under the National Historic Preservation Act of 1966, the National Register is part of a national program to coordinate and support public and private efforts to identify, evaluate, and protect historic and archaeological resources. Properties listed in the National Register include districts, sites, buildings, structures, and objects that are significant in

⁴ 47 CFR Part 1 Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act: Final Rule, January 4, 2005; Federal Register Vol.70, No. 2, Page 582.

⁵ National Register Information System, retrieved from <http://www.nps.gov/nr/>.

American history, architecture, archaeology, engineering, and culture. The National Park Service, which is part of the U.S. Department of the Interior, administers the National Register. ECA conducted a review of the National Register of Historic Places to determine whether any archaeological sites were located within a ¾-mile radius of the project site. The search revealed no National Register Historic properties within a ¾-mile radius of the project site.

North Carolina History Resource Survey Site File

The North Carolina Historic Resource Survey files are a compilation of archaeological and historic resource surveys throughout the state. The individual surveys cover either a countywide or a community-wide area. The NC SHPO, Survey and Planning Branch, has researched their files for identified Historic Properties within the proposed project's APE for visual effects. Two resources (DR0416 and DR0417) were identified within the ½-mile visual APE, but outside the APE for direct effects. The NC SHPO response indicated that the properties are not NRHP eligible and that no balloon test or additional photo reconnaissance would be necessary at the proposed site.

The NC SHPO Office of State Archaeology searched their databases for previously recorded archaeological sites within the proposed project's APE for direct effects. No previously recorded archaeological resources were found within the immediate area of the tower.

Field Methods

The Phase I Intensive Field Survey implemented standard survey techniques were performed by Cody Zipperer of ECA on June 4, 2013. A pedestrian survey was performed throughout the project area.

The proposed lease area is occupied by an open, grassed field. Based on review of the historic aerial photography, the proposed lease area appears to have been open, grassed and sandy land from at least 1952. The lease area appears to have historically been undeveloped. The proposed lease area would be accessed via an approximately 100-foot long by 20-foot wide (~4-meter by 6-meter) access/utility easement which would lead southwesterly off Ocean Boulevard through an existing

parking lot, then southeasterly across the parking lot and continue across a grassed area toward the proposed lease area.

Subsurface investigations were conducted as part of a June 4, 2013 Phase 1 Archaeological Survey at the project area. ECA determined that three shovel test pits within the non-existing portions of the proposed project area would be an adequate sampling. This is due to the proposed access/utility easement traversing approximately 88 feet (~27 meters) through an existing parking lot. Generally, ECA excavates shovel test pits that measure approximately 16 inches by 16 inches (~41cm) in size, excavated to a depth of approximately 36 inches (~91cm), or until sterile subsoil, bedrock, or the water table are encountered. Soils associated with the proposed project area are Newhan fine sand (NeC). Known subsoils for the Newhan series occur at depths between 2-50 inches (~5-127cm) and consist of light gray (10YR 7/2) fine sand. All excavated soils are screened through a six-millimeter wire mesh screen to isolate any cultural artifacts. The locations of the shovel tests are shown in Attachment B-2c.

In general, results for all three shovel tests consisted of fine sand with a Munsell color of 10YR 5/2 (grayish brown) from 0-6 inches (~15cm). Between 6-22 inches (~15-56cm) fine sand with a Munsell color of 10YR 7/2 (light gray) was encountered (see photos I and J). This profile is generally consistent with the characteristics of the Newhan soil series, where subsoil is typically encountered from 2-50 inches (~5-127cm) below the surface.

No NRHP-eligible archaeological sites or features were identified during ECA's subsurface investigation and believes it unlikely that eligible archaeological resources exist within the project area.

Field Survey Results

Visual inspection revealed that the majority of the project area is located in an open, grassed/sandy area. Ground surface visibility within the proposed lease area ranged from 25% to 75% due to slight grass coverage, and from near 0% to 25% within the non-existing portion of the proposed

access/utility easement due to grass and leaf litter. No archaeological or cultural materials were found; no other evidence of archaeological resources was observed.

Summary of Findings and Recommendations

During the course of this archaeological assessment, no sites, either historic or prehistoric, were identified within the APE for direct effects. We believe that no archaeological resources will be affected by the proposed project. Therefore, we recommend a finding of No Effect for the proposed undertaking as it relates to archaeology. We request your concurrence with our finding.

Closure

We are submitting this report, on behalf of Velocitel, Inc. (on behalf of AT&T Mobility), to seek concurrence with our finding and to comply with Federal Communications Commission (FCC) requirements as identified in 47 CFR 1.1307. Cody Zipperer of ECA authored this assessment, conducted the research, and completed the field assessment. Dina M. Bazzill, MA, RPA, Principal Investigator reviewed this assessment. We request your concurrence with our finding. Please contact our office with questions or comments or if additional information is required.

Attachment F

Local Government Involvement

Contact Information

- a: List of all government agencies contacted and a summary of contact including copies of relevant documents.**

Please see the *Local Government* pages of the FCC Form 620 for a list of agencies contacted. Documentation of our correspondence follows this page.

- b: Local government agencies that will be contacted, but have not as of this date.**

Not Applicable

Cody Zipperer

From: Wes Haskett [WHaskett@southernshores-nc.gov]
Sent: Thursday, May 23, 2013 9:58 AM
To: Cody Zipperer
Cc: Peter Rascoe
Subject: RE: Proposed Telecommunications Structure at 148-A Ocean Boulevard, Southern Shores, Dare County, NC

Good morning. There are no Historic Properties in the Town of Southern Shores. Is it still necessary to submit this information to the mailing address in your message?

Wes Haskett
 Town Planner/Code Enforcement Officer
 Town of Southern Shores
 (252) 261-2394 (ph)
 (252) 255-0876 (fx)
www.southernshores-nc.gov

From: Cody Zipperer [mailto:cody.zipperer@eca-usa.com]
Sent: Wednesday, May 22, 2013 4:30 PM
To: Wes Haskett
Subject: Proposed Telecommunications Structure at 148-A Ocean Boulevard, Southern Shores, Dare County, NC

Town of Southern Shores, NC
 Planning and Code Enforcement
 5375 North Virginia Dare Trail
 Southern Shores, NC 27949

Attention: Wes Haskett, Town Planner/Code Enforcement Officer

Subject: Proposed 130-Foot Overall Height Flagpole Telecommunications Structure
 AT&T Site NF610-C (Hickory)
 148-A Ocean Boulevard
 Southern Shores, Dare County, North Carolina
 ECA Project #: L-677b

Mr. Haskett,

Velocitel, Inc. (on behalf of AT&T Mobility) is proposing to construct a 130-foot overall height flagpole telecommunications structure located at 148-A Ocean Boulevard, Southern Shores, Dare County, North Carolina. A map is attached for your reference. In accordance with the Federal Communications Commission regulation at 47 C.F.R. 1.1307(a)(4), we are providing notice to you and seeking any comments that you may have regarding the effect of the proposed action described above on **Historic Properties** in your community. *This notice is not intended to supplant any local zoning or permitting requirements, but is necessary before we can request review of the proposed action by the State Historic Preservation Office.*

We welcome any comments that you may have regarding any **Historic Properties** located in your community that could be potentially affected by the proposed action. Please direct your comments to Dina Bazzill, Environmental Corporation of America, 1375 Union Hill Industrial Court, Suite A,

Alpharetta, Georgia 30004, 770-667-2040 x111. Because we would like to submit their project to the SHPO for review as soon as possible, we request that you provide any comments within 30 days. Thank you for your cooperation.

Sincerely,

Cody E. Zipperer, MPH
Project Scientist
Environmental Corporation of America (ECA)
1375 Union Hill Industrial Court, Suite A
Alpharetta, GA 30004
(770) 667-2040 ext. 102 (office)
(770) 667-2041 (fax)
cody.zipperer@eca-usa.com

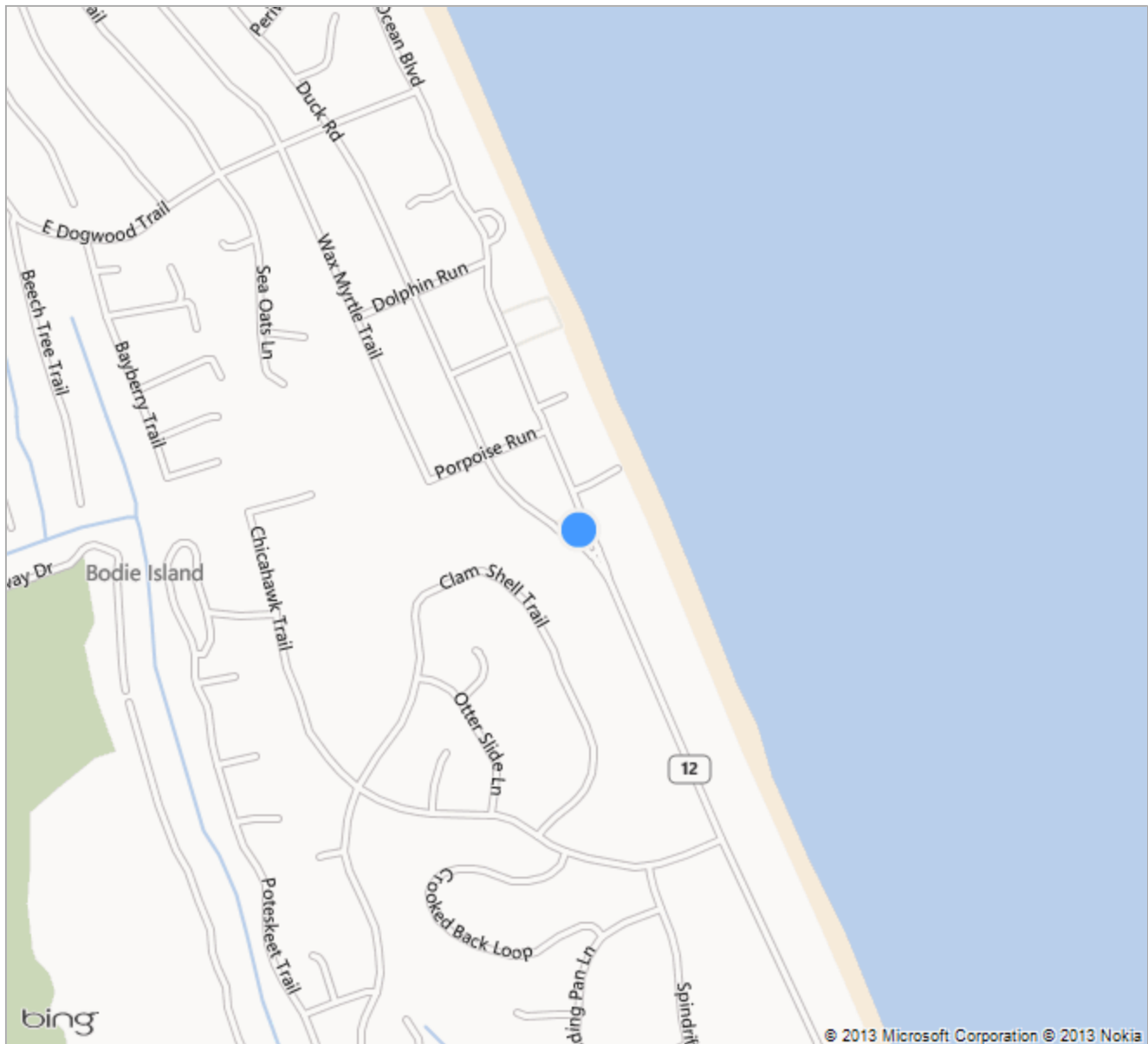
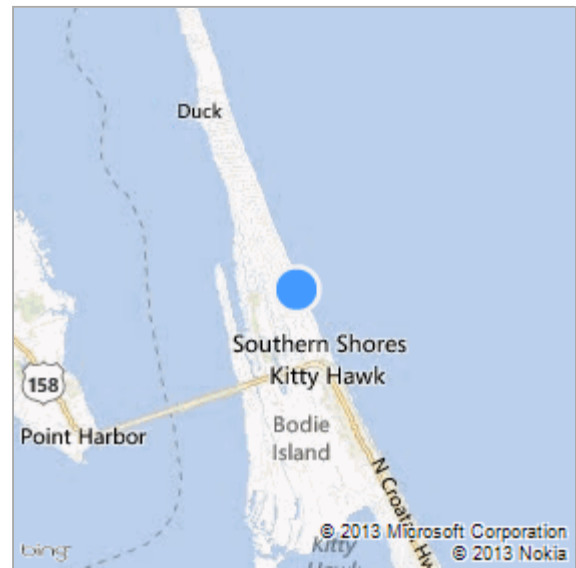


36.1208307222222, -75.7236866666667

AT&T Site NF610-C (Hickory)
148-A Ocean Blvd
Southern Shores, NC
ECA#: L-677b



On the go? Use **m.bing.com** to find maps, directions, businesses, and more



Attachment G

Consulting Parties

Public Involvement by Legal Notices, Letters, or Public Meetings

Copies of all relevant documents, including correspondence and legal notices, are provided in the following pages.

Cody Zipperer

From: Sharon Pro/Outer Banks Sentinel [classifieds@obsentinel.com]

Sent: Wednesday, June 12, 2013 11:31 AM

To: Cody Zipperer

Subject: Re: ad for Sentinel

Cody, Thanks very much for sending this again. I had to leave town suddenly due to a family emergency and my email got pretty messed up while I was gone.

I have scheduled the ad for the June 19 edition. Cost will be
Wednesdays, so June 19 is the next edition.

We publish once a week on

I will send an affidavit soon after 6/19/13.

Thank you,

Sharon

Sharon Pro
Outer Banks Sentinel
PO Box 546
2910 S. Croatan Hwy.
Nags Head, NC 27959
252-480-2234
252-480-1146 fax

On 6/12/13 10:33 AM, Cody Zipperer wrote:

Hi Sharon,

I need the following notice (shown here in blue) published for one time only at the next next possible date (please let me know if it will not be able to run by the 19th). I have attached the notice as a word document as well. Thank you for your help and let me know if know if you have any questions. Thanks!

Velocitel, Inc. (on behalf of AT&T Mobility) proposes to construct a 130-foot overall height flagpole telecommunications structure. The tower would be located at 148-A Ocean Boulevard, Southern Shores, Dare County, North Carolina. Velocitel invites comments from any interested party on the impact the proposed undertaking may have on any districts, sites, buildings, structures or objects significant in American history, archaeology, engineering, or culture that are listed or determined eligible for listing in the National Register of Historic Places. Comments pertaining specifically to historic resources may be sent to Environmental Corporation of America, ATTN: Dina Bazzill, 1375 Union Hill Industrial Court, Suite A, Alpharetta, GA 30004. Ms. Bazzill can be reached at (770) 667-2040 ext. 111. Comments must be received within 30 days of the date of this notice.

Cody E. Zipperer, MPH
Project Scientist

Attachment G

Page 2 of 3

6/20/2013

Environmental Corporation of America (ECA)
1375 Union Hill Industrial Court, Suite A
Alpharetta, GA 30004
(770) 667-2040 ext. 102 (office)
(770) 667-2041 (fax)
cody.zipperer@eca-usa.com

-----Original Message-----

From: Outer Banks Sentinel [<mailto:classifieds@obsentinel.com>]
Sent: Tuesday, June 11, 2013 12:46 PM
To: cody.zipperer@eca-usa.com
Subject: ad for Sentinel

I was out of town and the people here did not process your ad.

Please resend if you want to run it on June 19.

Sharon Pro

--

Attachment H

Designation of SHPO/THPO

SHPO/THPO Specific Forms

The following pages include copies of all additional forms specific to the Section 106 Review process for the lead SHPO/THPO reviewing this filing.

Communications Tower Review Form



I. Applicant Information:

Preparer/Company: Environmental Corporation of America
Address: 1375 Union Hill Industrial Court, Suite A, Alpharetta, GA 30004
Phone/Fax/E-mail: P: 770-667-2040 F: 770-667-2041 cody.zipperer@eca-usa.com

For North Carolina HPO
Use Only

CT 13 - 1006

II. Tower Information: (Attach copy of USGS map or photocopy of quad on reverse; include 1 and 2 mile radius around site)

☒ Raw Land (New) ☐ Co-Location Applicant's Identification # _____
Address: 148-A Ocean Boulevard, Southern Shores, NC, 27949
County: Dare County, North Carolina FCC Registration No. _____
Tower type and height: Proposed Flagpole, 130-Foot Overall Height Quad Name: Kitty Hawk, NC (1982)

III. Identification of Historic Properties

List sites by site number and status: NR = National Register listed; SL = Study List; DOE = Determination of Eligibility;
LD = Local Designation; UA = Unassessed

Archaeology

of recorded sites in immediate area of tower: 2

NO Survey
RECOMMENDED.

Architecture

of recorded sites within ____-mile radius: ____

DR#416 House
DR#417 Pipkin House - SL

IV. Additional Information/Investigation Needed:

NO Survey
NO Testing of sites _____

Recommended by/on: LEA / 5-30-13
(Office of State Archaeology)

____ Photo Reconnaissance

____ Balloon Test

Recommended by/on: OK
(Survey & Planning Branch)

V. Recommendations/Final Determination:

____ Recommendations for additional work are shown above.

☒ The proposed communication tower will NOT affect historic properties in the area of potential effect.

Renee Gledhill-Earley
Renee Gledhill-Earley, Environmental Review Coordinator

6.17.13
Date

cc: FCC

February, 2001

MAY 28 2013

Environmental Corp. of America
1375 Union Hill Industrial Court, Ste A
Alpharetta, GA 30004



Phone: 770-667-2040 ext. 102
Fax No.: 770-667-2041

From: Cody E. Zipperer
cody.zipperer@eca-usa.com

To: Renee Gledhill-Earley
North Carolina Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

Phone: 919-807-6579
Fax No: 919-807-6599

TRANSMITTAL COVER SHEET

Date: May 21, 2013

Subject: **Proposed 130-Foot Overall Height**
Flagpole Telecommunications Structure
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
Kitty Hawk, NC Quadrangle Topographic Map
Lat: 36° 07' 15.0" N, Long: 75° 43' 25.3" W
ECA Project No.: L-677b

Notes: Ms Gledhill-Earley:

Attached are two topographic maps with the ½-mile APE, 1-mile radius, and 2-mile radius and Communications Tower Review Form for the subject site described above. Please feel free to contact me if you have any questions or need any additional information on the proposed project. Thank you.

Sincerely,

Cody E. Zipperer, MPH
Project Manager

Communications Tower Review Form

I. Applicant Information:

Preparer/Company: Environmental Corporation of America
Address: 1375 Union Hill Industrial Court, Suite A, Alpharetta, GA 30004
Phone/Fax/E-mail: P: 770-667-2040 F: 770-667-2041 cody.zipperer@eca-usa.com

For North Carolina HPO
Use Only

II. Tower Information:

 (Attach copy of USGS map or photocopy of quad on reverse; include 1 and 2 mile radius around site)

☒ Raw Land (New) ☐ Co-Location Applicant's Identification # _____
Address: 148-A Ocean Boulevard, Southern Shores, NC, 27949
County: Dare County, North Carolina FCC Registration No. _____
Tower type and height: Proposed Flagpole, 130-Feet Overall Height Quad Name: Kitty Hawk, NC (1982)

III. Identification of Historic Properties

List sites by site number and status: NR = National Register listed; SL = Study List; DOE = Determination of Eligibility;
LD = Local Designation; UA = Unassessed

Archaeology

of recorded sites in immediate area of tower: _____

Architecture

of recorded sites within ____-mile radius: _____

IV. Additional Information/Investigation Needed:

☐ Survey
☐ Testing of sites _____
Recommended by/on: _____
(Office of State Archaeology)

☐ Photo Reconnaissance
☐ Balloon Test
Recommended by/on: _____
(Survey & Planning Branch)

V. Recommendations/Final Determination:

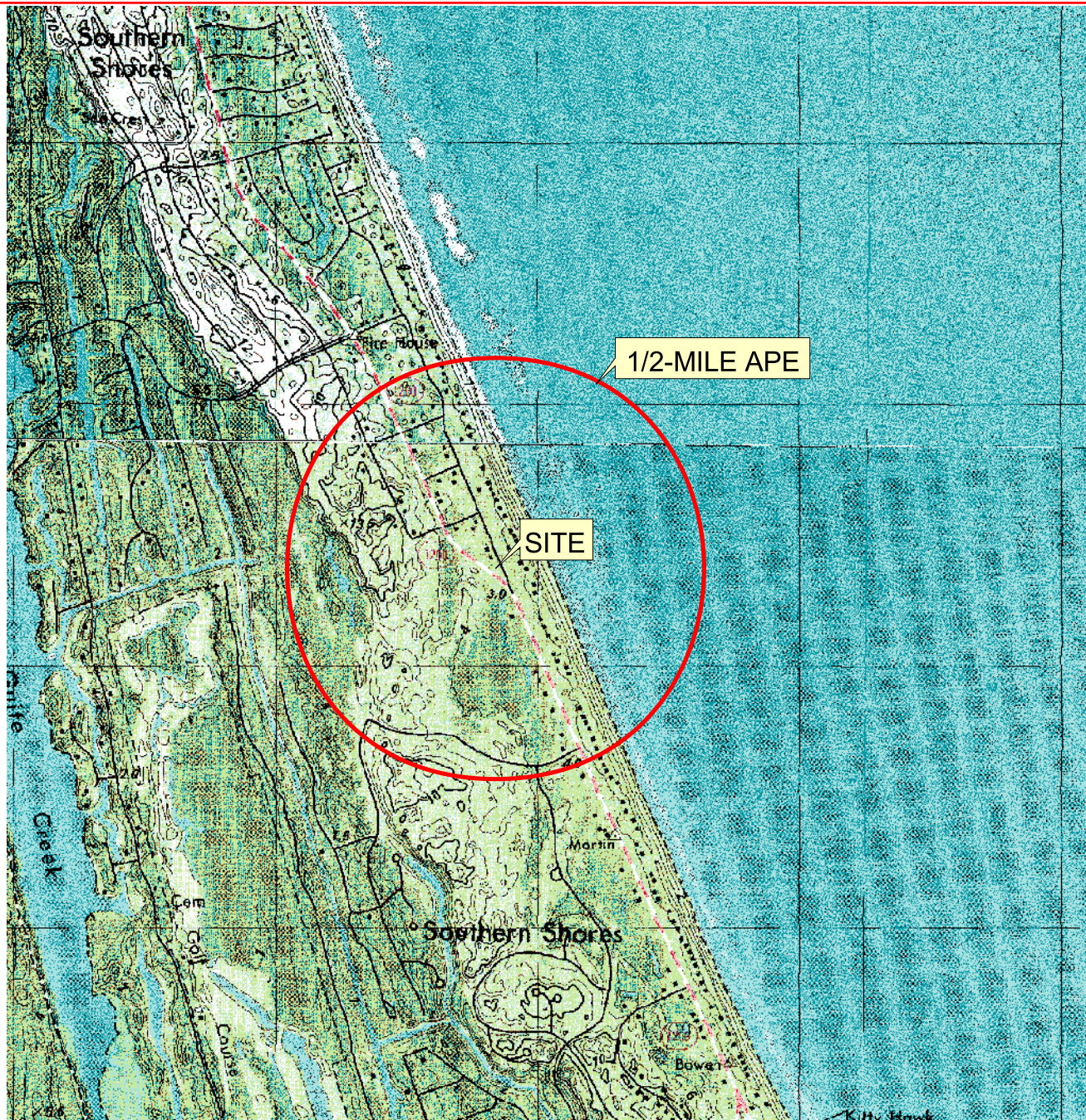
☐ Recommendations for additional work are shown above.
☐ The proposed communication tower will _____ affect historic properties in the area of potential effect.

Renee Gledhill-Earley, Environmental Review Coordinator

Date

cc: FCC

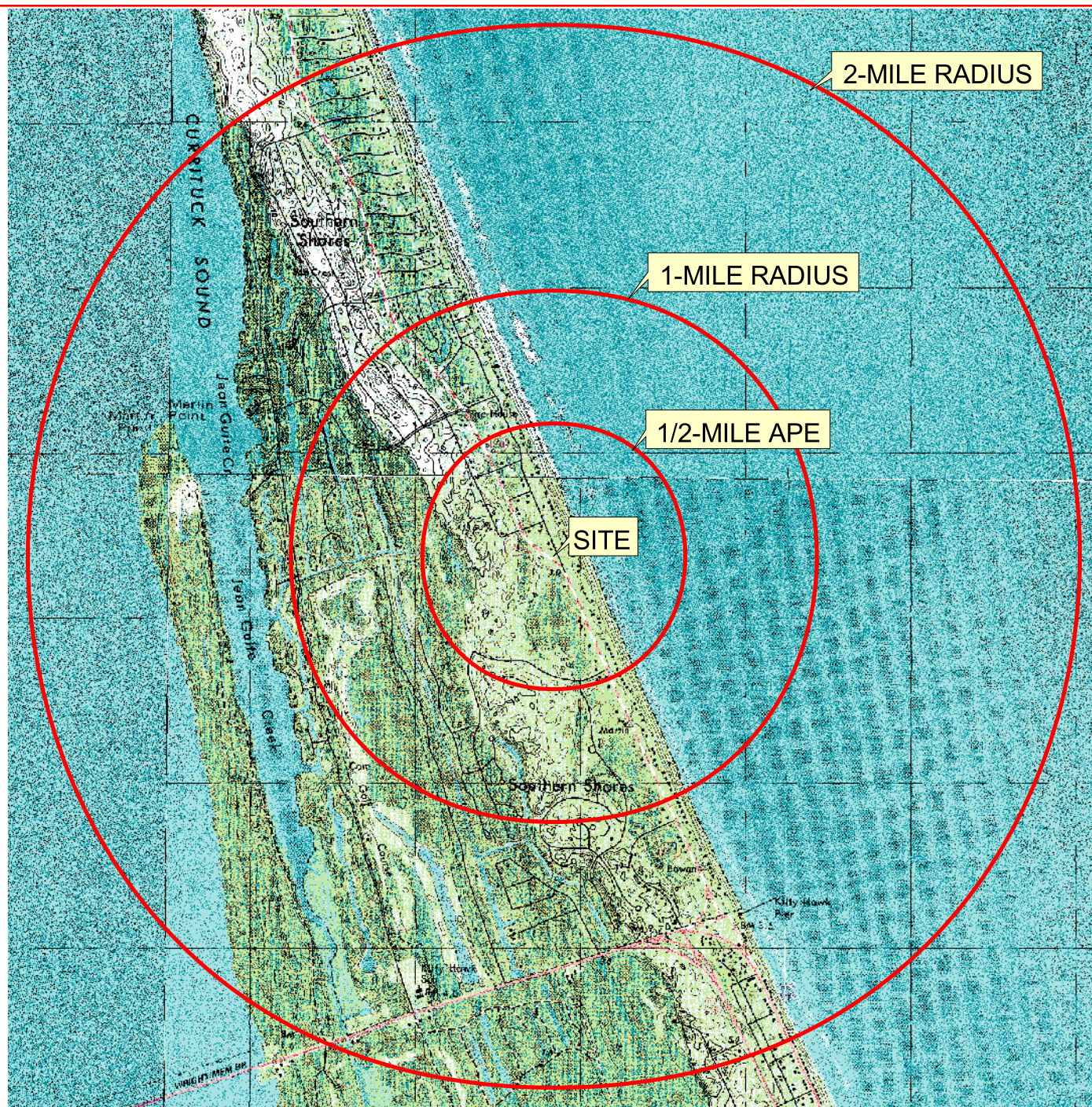
February, 2001



2000 0 2000 Feet

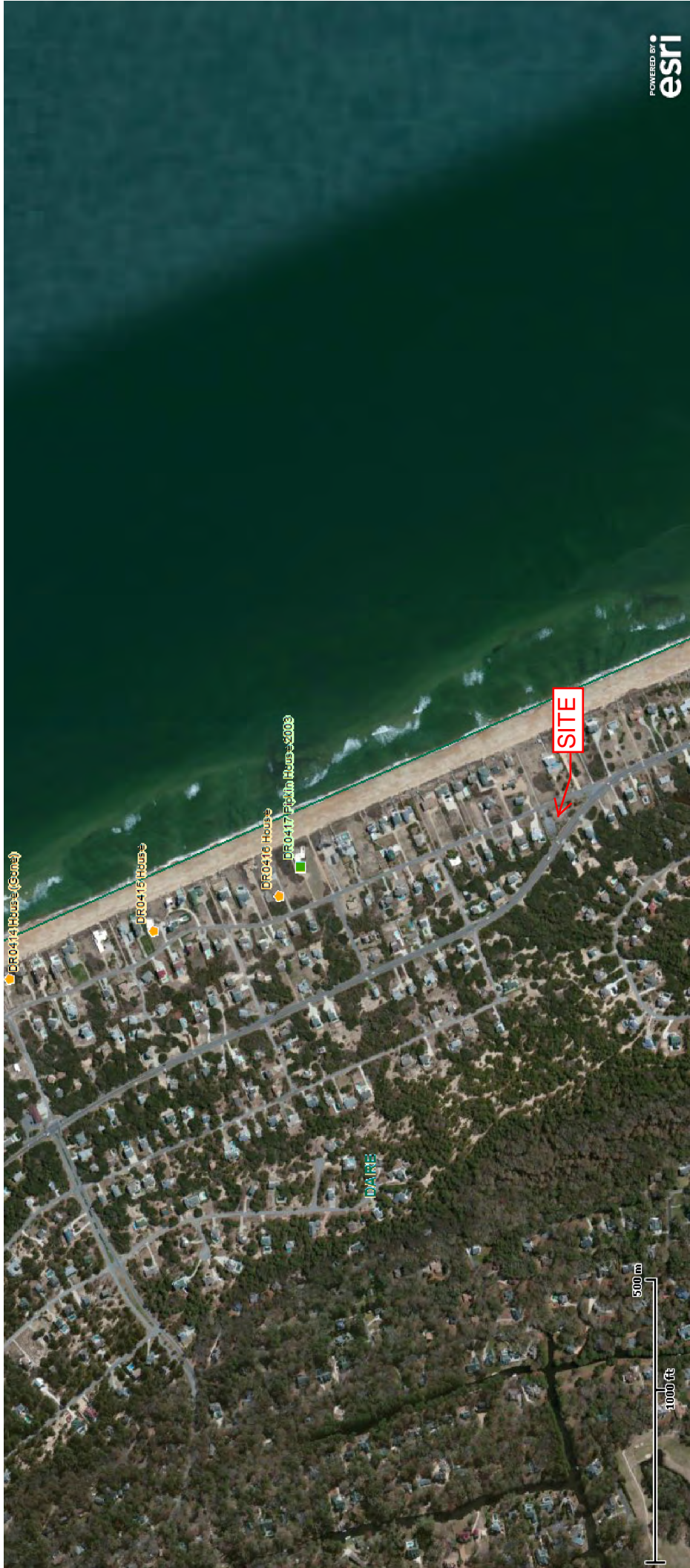
A scale bar with three segments. The first segment is labeled '2000', the second segment is labeled '0', and the third segment is labeled '2000 Feet'.

Jarvisburg, NC, Martin Point, NC, Point Harbor, NC, Kitty Hawk, NC Quadrangle Topographic Maps



3000 0 3000 Feet

ECA#: L-677b
AT&T Site NF610-C (Hickory)



Bibliography

Federal Communications Commission Federal Register, 47 CFR Part 1, Nationwide Programmatic Agreement for Review Under the National Historic Preservation Act; Final Rule, WT Docket No. 03-128; FCC 04-222, January 4, 2005

Google Earth Aerial photograph, 2011.

National Register Information System retrieved from <http://www.nps.gov/nr/>.

North Carolina Historic Preservation Office review of archaeological and historical files and surveys by Renee Gledhill-Earley dated June 17, 2013.

United States Department of Agriculture Soil Conservation Service, Soil Survey of Dare County, North Carolina.

USGS, 7.5-minute Topographic Quadrangle Maps for *Kitty Hawk, NC (1982)* and *Martin Point, NC (1982)*.

Attachment E

Native American Information

TRIBAL INVOLVEMENT
TCNS #95672 – INITIAL CONTACT May 24, 2013

INDIAN TRIBE OR NATION	SECOND TRIBAL CONTACT DATE	RESPONSE RECEIVED FROM TRIBE	REFER TO FCC	TRIBAL CLEARANCE
TUSCARORA NATION	NA	5/24/13 via TCNS – Requested 30-Day Response Limit Agreement	NA	6/23/13
CHEROKEE NATION	7/1/13 – Emailed and mailed Archaeology Assessment	5/24/13 via TCNS – Requested Archaeology Assessment, then 30-day Response Limit Agreement	NA	7/31/13
EASTERN SHAWNEE TRIBE OF OKLAHOMA	7/8/13 – Mailed Archaeology Assessment, SHPO Response, and review fee	5/24/13 & 6/6/13 via TCNS – Requested Archaeology Assessment, SHPO Response, and review fee; 8/5/13 – Cleared site via email	NA	8/5/13
SHAWNEE TRIBE	7/8/13 – Mailed Archaeology Assessment, SHPO Response, and review fee	5/24/13 via TCNS – requested Archaeology Assessment, SHPO Response, and review fee; 7/17/2013 – Cleared site via fax	NA	7/17/2013
CATAWBA INDIAN NATION CULTURAL PRESERVATION PROJECT	7/19/13 – Mailed Section 106 Review documentation and review fee	5/24/13 via TCNS – requested Limited Section 106 Review documentation, SHPO Response, and review fee; 7/26/13 – Cleared site via emailed letter	NA	7/26/13

TCNS Notification Statements

Cody Zipperer

From: Tribal Notify [tribal.notify@eca-usa.com]
Sent: Monday, May 20, 2013 5:11 PM
To: Amy Williams; 'Andrew Tankel'; 'Autumn Dubois'; Ben Salter; Dave McGlothlin; Eric Johnson; Grant Burnham; 'Kelby Williams'; Mary Seagrave; Matthew Beazley; Michelle Taylor; Dina Bazzill; Mark Montes; Cody Zipperer; Seth Goad; Travis LaForge; Marshall West
Subject: FW: Proposed Tower Structure Info - Email ID #3334351

-----Original Message-----

From: towernotifyinfo@fcc.gov [mailto:towernotifyinfo@fcc.gov]
Sent: Monday, May 20, 2013 5:10 PM
To: tribal.notify@eca-usa.com
Subject: Proposed Tower Structure Info - Email ID #3334351

Dear Dina M Bazzill,

Thank you for submitting a notification regarding your proposed construction via the Tower Construction Notification System. Note that the system has assigned a unique Notification ID number for this proposed construction. You will need to reference this Notification ID number when you update your project's Status with us.

Below are the details you provided for the construction you have proposed:

Notification Received: 05/20/2013

Notification ID: 95672

Tower Owner Individual or Entity Name: Environmental Corporation of America

Consultant Name: Dina M Bazzill

Street Address: 1375 Union Hill Industrial Court
Suite A

City: Alpharetta

State: GEORGIA

Zip Code: 30004

Phone: 770-667-2040

Email: tribal.notify@eca-usa.com

Structure Type: POLE - Any type of Pole

Latitude: 36 deg 07 min 15.0 sec N

Longitude: 75 deg 43 min 25.3 sec W

Location Description: 148-A Ocean Boulevard

City: Southern Shores

State: NORTH CAROLINA

County: DARE

Ground Elevation: 2.8 meters

Support Structure: 39.6 meters above ground level

Overall Structure: 39.6 meters above ground level

Overall Height AMSL: 42.4 meters above mean sea level

Cody Zipperer

From: Tribal Notify [tribal.notify@eca-usa.com]
Sent: Friday, May 24, 2013 8:47 AM
To: Amy Williams; 'Andrew Tankel'; 'Autumn Dubois'; Ben Salter; Dave McGlothlin; Eric Johnson; Grant Burnham; 'Kelby Williams'; Mary Seagrave; Matthew Beazley; Michelle Taylor; Dina Bazzill; Mark Montes; Cody Zipperer; Seth Goad; Travis LaForge; Marshall West
Subject: FW: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3336054

-----Original Message-----

From: towernotifyinfo@fcc.gov [mailto:towernotifyinfo@fcc.gov]
Sent: Friday, May 24, 2013 3:01 AM
To: tribal.notify@eca-usa.com
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3336054

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Chief Leo R Henry - Tuscarora Nation - Via: Lewiston, NY - regular mail

Details: If the Applicant/tower builder receives no response from the Tuscarora Nation within 30 days after notification through TCNS, the Tuscarora Nation has no interest in participating in pre-construction review for the site. The Applicant/tower builder, however, must IMMEDIATELY notify the Tuscarora Nation in the event archaeological properties or human remains are discovered during construction.

2. Policy Analyst Richard L Allen - Cherokee Nation - Tahlequah, OK - electronic mail

Details: The TCNS Details do not provide me enough information to conduct a proper assessment of the projects on behalf of the Cherokee Nation. Therefore, I request that I be sent a brief summary of the Phase I findings [please try to limit the summary to between 1--10 pages], a topo of the area, and relevant photos. Please send these by email to rallen@cherokee.org. Please treat this request for additional material as a routine supplement to the TCNS Details Notification for each of your projects that fall within our Tribe's areas of geographic interest. Consequently, if you do not receive a response from me within 30 days from the date on which you e-mailed the supplemental items to me, you may move forward with the 20-Day Letter procedures pursuant to the FCC's guidelines. Thank you. -- Dr. Richard L. Allen

3. THPO Robin Dushane - Eastern Shawnee Tribe of Oklahoma - Seneca, MO - electronic mail

Details: Greetings from the Eastern Shawnee Tribe of Oklahoma.

The Eastern Shawnee Tribe of Oklahoma is interested in consulting on this tower or broadband project, just as we are interested in consulting on all federal undertakings in our homelands and otherlands of interest.

Consultation regarding our heritage resources is one of the activities required by the National Historic Preservation Act (NHPA) for undertakings licensed or permitted by federal agencies such as the FCC.

We have recently developed new NHPA consultation procedures for cell tower projects (dated 3-1-2013). These procedures may be obtained by e-mailing or calling the cell tower program archaeologist, Rebecca Hawkins (algonquin@neok.com; 918-541-0782). All further electronic correspondence regarding this tower should also be directed to Ms. Hawkins at that e-mail address. This is the e-mail address that we will use for all of our TCNS communications and final responses.

Thank you,

Robin Dushane, THPO
Eastern Shawnee Tribe of Oklahoma

4. THPO Kim Jumper - Shawnee Tribe - Miami, OK - regular mail

Details: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON ALL PROJECTS BUILT IN OUR AREAS OF GEOGRAPHIC INTEREST.

ATTENTION, NEW INFORMATION: Our procedures were updated on 14 January 2008. Please call Kim Jumper, THPO, at 918-542-2441, so that she can send you a copy.

If your tower is a co-location, please fax us this information to let us know. We cannot always tell from the TCNS web site that a tower is a co-location. We require a written response from you to let us know that it is a co-location. If a co-location project includes some new ground disturbance (such as from an expanded compound or access road, or

construction of an ancillary structure), the Shawnee Tribe treats such a project the same as any other non co-location project.

Our correct mailing/physical address is: 29 South Highway 69A. Our correct phone number is (918-542-2441) and our historic preservation fax line is (918-542-9915). THPO Kim Jumper manages all cell tower consultation.

As of 26 June 2006, all of the faxed responses of our final comments on a tower site will contain an original Shawnee Tribe signature. Each final comment fax is signed individually. Copies may be compared, for authentication, against the original in our files. If a final comment fax does not contain a signature, it is not valid. ALL FINAL COMMENTS FROM THE SHAWNEE TRIBE ARE WRITTEN; FINAL COMMENTS ARE NEVER PROVIDED VERBALLY. IF THE SHAWNEE TRIBE IS CREDITED WITH HAVING GIVEN A VERBAL RESPONSE, THAT RESPONSE IS NOT VALID.

If you receive notification through the TCNS listing the Shawnee Tribe, that is an indication that the Shawnee Tribe is interested in consulting on the tower for which that notification was received. Please consider that our official indication of interest to you. The Shawnee Tribe considers the Tower Construction Notification System's weekly e-mail to be the first notification that we receive that a tower will be constructed in an area of our concern. We do not view the TCNS notification as completion of 106 consultation obligations.

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated on 14 January 2008 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the tower builder's responsibility to make sure that you have our most recent consultation procedures.

PLEASE DO NOT SEND US INFORMATION, QUERIES, OR COMMENTS ELECTRONICALLY. SINCE 1 DECEMBER 2005, WE HAVE NOT HANDLED ANY CELL TOWER CONSULTATION, INQUIRIES, OR CORRESPONDENCE VIA E-MAIL.

5. THPO and Executive Director Dr. Wenonah G Haire - Catawba Indian Nation Cultural Preservation Project - Rock Hill, SC - electronic mail and regular mail

Details: The Catawba Indian Nation Tribal Historic Preservation Office requests that you send us by regular mail the following information needed to complete our research for the your proposed project:

Project Name _____

Project Number _____

____ 1. The name, complete address, phone number, fax number and e-mail address of the project manager.

____ 2. The project location plotted on a topo map.

____ 3. The project name, address and location; street or highway, city, county, state.

____ 4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated.

____ 5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.

____6. A list of all recorded archaeological sites within one half (1/2) mile of the project area.

____7. A list of all eligible and potentially eligible National Register of Historic Places sites within one half (1/2) mile of the proposed project area.

____8. If there has been an archaeological survey done in the area, a copy of that report.

____9. It is not necessary to send original color photos if you can provide high-resolution color copies.

____10. A letter of concurrence from the appropriate State Historic Preservation Office.

If you use the FCC Form 620, please do not send Attachments 1 through 6. They are not necessary for our determination. We do not have an interest in projects that require no ground disturbance.

Please note: Our research/processing fee is currently \$250. This fee will be changing to \$400 effective March 1, 2012. Please send these requested materials in hard copy format. Send to:

CIN-THPO
1536 Tom Steven Road
Rock Hill, S.C. 29730

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

6. SHPO Katherine Slick - Historic Preservation Div. - Office of Cultural Affairs - Santa Fe, NM - electronic mail and regular mail

7. Environmental Review Coordinator Renee Gledhill Earley - NC State Historic Preservation Office - Raleigh, NC - electronic mail

8. Deputy SHPO David Brook - Historic Preservation Office - Raleigh, NC - electronic mail

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 05/20/2013
Notification ID: 95672
Tower Owner Individual or Entity Name: Environmental Corporation of America
Consultant Name: Dina M Bazzill
Street Address: 1375 Union Hill Industrial Court
Suite A
City: Alpharetta
State: GEORGIA
Zip Code: 30004
Phone: 770-667-2040
Email: tribal.notify@eca-usa.com

Structure Type: POLE - Any type of Pole
Latitude: 36 deg 7 min 15.0 sec N
Longitude: 75 deg 43 min 25.3 sec W
Location Description: 148-A Ocean Boulevard
City: Southern Shores
State: NORTH CAROLINA
County: DARE
Ground Elevation: 2.8 meters
Support Structure: 39.6 meters above ground level
Overall Structure: 39.6 meters above ground level
Overall Height AMSL: 42.4 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

Follow-Up Letters To Tribes

Cody Zipperer

From: Cody Zipperer [cody.zipperer@eca-usa.com]

Sent: Monday, July 01, 2013 10:55 AM

To: 'rallen@cherokee.org'

Subject: TCNS #: 95672

Attachments: L677b_arch.pdf

Dr. Richard L. Allen, Policy Analyst
Cherokee Nation

Subject: Section 106 Review
TCNS # 95672
Proposed 130-Foot Overall Height
Flagpole Telecommunications Structure
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
Latitude: 36° 07' 15.0" N
Longitude: 75° 43' 25.3" W
ECA Project # L-677b

Dear Dr. Allen,

We are requesting your assistance to determine if this proposed project may be important to the members of the Cherokee Nation. This project is a proposed 130-foot overall height flagpole telecommunications structure located at the address above. Attached is an Archaeology Assessment which contains the requested information. If you have any interests within the area, require additional information, or if you have any questions please feel free to contact me at any time.

Thank you,

Cody E. Zipperer, MPH
Project Scientist
Environmental Corporation of America (ECA)
1375 Union Hill Industrial Court, Suite A
Alpharetta, GA 30004
(770) 667-2040 ext. 102 (office)
(770) 667-2041 (fax)
cody.zipperer@eca-usa.com

Message-ID: <616E2826011D488EB7E7D00DA1A95DDB@ECADOMAIN.local>
MIME-Version: 1.0
Content-Type: multipart/mixed;
 boundary="----=_NextPart_000_0037_01CE7649.6296E730"
X-Mailer: Microsoft Office Outlook 11
Thread-Index: Ac52aul4kziaIE9RTNWC/ljmoKj3pg==
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2900.6157
Return-Path: cody.zipperer@eca-usa.com
X-ExPropertySet:
 b22468b2acfb7128392b84e4acc53b6c7853447bfb0e3f7760bc5367e76ed3a8605d3a5bd64f7039

Environmental Corp. of America
1375 Union Hill Industrial Court
Suite A
Alpharetta, GA 30004



Phone: 770-667-2040 ext. 102
Fax No.: 770-667-2041

From: Cody E. Zipperer
cody.zipperer@eca-usa.com

To: Dr. Richard L. Allen, THPO
P.O. Box 948
Tahlequah, OK 74465-0948

Phone: 918-456-0671
Fax No.: 918-458-0745

TRANSMITTAL COVER SHEET

Date: July 1, 2013

Subject: Section 106 Review
TCNS # 95672
Proposed 130-Foot Overall Height Flagpole Telecommunications Structure
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
ECA Project # L-677b

Notes: Dear Dr. Allen:

We originally sent you this report through your email account (rallen@cherokee.org). However, our email was returned as the inbox was full. Attached is the Archaeology Assessment for the aforementioned project. Please feel free to contact me if you need any additional information.

Thank you,

Environmental Corporation of America



Cody E. Zipperer, MPH
Project Manager

Environmental Corp. of America
1375 Union Hill Industrial Ct, Ste A
Alpharetta, GA 30004



Phone: 770-667-2040 x. 102
Fax No.: 770-667-2041

From: Cody E. Zipperer
cody.zipperer@eca-usa.com

To: Ms. Robin Dushane, THPO
Eastern Shawnee Tribe of Oklahoma
Cultural Preservation Department
12755 South 705 Road
Wyandotte, OK 74370

TRANSMITTAL COVER SHEET

Date: July 8, 2013

Subject: Section 106 Review
TCNS ID #95672
Proposed 130-Foot Flagpole Telecommunications Structure
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
ECA Project #: L-677b

Notes: Dear Ms. Dushane,

As indicated in your TCNS response, the Eastern Shawnee Tribe of OK would like to become a consulting party for the above referenced site. As requested, I have attached the Archaeology Assessment, North Carolina SHPO response, and review fee. The North Carolina SHPO concurs with us that no archaeological resources will be affected by the proposed project.

Please feel free to contact me if you need any further information or if you have any questions. Thank you.

Sincerely,

Cody E. Zipperer, MPH
Project Manager

Environmental Corp. of America
1375 Union Hill Industrial Court, Ste. A
Alpharetta, GA 30004



Phone: 770-667-2040 ext. 102
Fax No.: 770-667-2041

From: Cody E. Zipperer
cody.zipperer@eca-usa.com

To: Shawnee Tribe
ATTN: Kim Jumper
Historic Preservation Department
29 South Highway 69A
Miami, OK 74354

Phone: 918-542-2441
Fax No.: 918-542-2922

TRANSMITTAL COVER SHEET

Date: July 8, 2013

Subject: Section 106 Review
TCNS ID #95672
Proposed 130-Foot Flagpole Telecommunications Structure
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
ECA Project #: L-677b

Notes: Dear Ms. Jumper,

As requested I have attached the requested information and your review fee for the above project. The North Carolina SHPO concurs with us that no archaeological resources will be affected by the proposed project.

We request you review the included documents. Please let me know if you need anything else in making your determination. Thank you!

Sincerely,

Cody Zipperer, MPH
Project Manager

Environmental Corp. of America
1375 Union Hill Industrial Ct, Ste A
Alpharetta, GA 30004



Phone: 770-667-2040 x. 102
Fax No.: 770-667-2041

From: Cody E. Zipperer
Cody.Zipperer@eca-usa.com

To: Dr. Wenonah G. Haire
Catawba Indian Nation-THPO
1536 Tom Steven Road
Rock Hill, S.C. 29730

TRANSMITTAL COVER SHEET

Date: July 19, 2013

Subject: Section 106 Review
TCNS # 95672
Proposed 130-Foot Overall Height Flagpole Telecommunications Structure
AT&T Site NF610-C (Hickory)
148-A Ocean Boulevard
Southern Shores, Dare County, North Carolina
ECA Project # L-677b

Notes: Dear Dr. Haire,

As indicated in your TCNS response, the Catawba Indian Nation would like to become a consulting party for the above referenced site. As requested, I have attached the above report, SHPO response, and the review fee. SHPO has concurred that there will be no effect to archaeological resources. Please call or email if you need any further information or if you have any questions. Thank you.

Sincerely,



Cody E. Zipperer, MPH
Project Manager

Responses Received From Tribes

Cody Zipperer

From: Mary Seagrave [mary.seagrave@eca-usa.com]
Sent: Monday, April 01, 2013 1:34 PM
To: Amy Williams; Autumn Dubois; Dave McGlothlin; Dina Bazzill; Eric Johnson; Grant Burnham; Kelby Williams; Mark Montes; Marvin Webster; Matthew Beazley; Michelle Taylor; Mitch Clark; Ben Salter; Marshall West; Travis LaForge; Seth Goad; Cody Zipperer
Subject: FW: Cherokee Nation Proposed Collocations and Raw Lands - 30-Day Response Limit Agreement
Importance: High

Our agreement with the Cherokee has now changed. Please, see the email below and let me know if you have any questions.

From: Richard Allen [mailto:Richard-Allen@cherokee.org]
Sent: Monday, April 01, 2013 1:32 PM
To: Mary Seagrave
Subject: RE: Cherokee Nation Proposed Collocations and Raw Lands - 30-Day Response Limit Agreement

Ms. Seagrave,

This information is correct. I have no amendments to the statement.

Thank you,

Dr. Richard L. Allen
Policy Analyst
NAGPRA/Section 106 Contact
Cherokee Nation
P.O. Box 948
Tahlequah, Oklahoma 74465
(918) 453-5466 (office)
(918) 822-2707 (cell)
(918) 458-5898 (fax)

From: Mary Seagrave [mailto:mary.seagrave@eca-usa.com]
Sent: Monday, April 01, 2013 12:30 PM
To: Richard Allen
Subject: Cherokee Nation Proposed Collocations and Raw Lands - 30-Day Response Limit Agreement
Importance: High

Dear Dr. Allen,

Per our conversation on March 28, 2013, it is my understanding that the following statements are true regarding the Cherokee Nation's interest in proposed collocations on existing towers and new builds within the Cherokee Nation area of interest.

1. For all collocations that do **not** involve new ground disturbance, the Cherokee Nation requests documentation of the proposed collocation location be submitted followed by a 30-Day Response Limit Agreement. If no response is received within 30 days of the location information being submitted, it would be understood that the Cherokee Nation has no interest in the proposed collocation.
2. For all new build or collocations that **do** involve new ground disturbance, the Cherokee Nation requests a

8/7/2013

copy of the Archaeological Assessment for the proposed activity followed by a 30-Day Response Limit Agreement. If no response is received within 30 days of the Archaeological Assessment being submitted, it would be understood that the Cherokee Nation has no interest in the proposed collocation.

Additionally, should our site reconnaissance or subsequent ground disturbance reveal an archaeological site or human remains, all activity will cease immediately and the Cherokee Nation and other appropriate agencies will be contacted immediately. Such a finding would nullify the above mentioned 30-Day Response Limit Agreement at the site in question.

Thank you for your time and please let me know if you would like any amendments made to the above statements.

Mary E. Seagrave, MA
Environmental Corporation of America (ECA)
(770) 667-2040 ext. 119 (office)
(770) 667-2041 (fax)
(770) 547-5255 (mobile)
mary.seagrave@eca-usa.com
www.eca-usa.com

Alpharetta, GA / Asheville, NC / Chicago, IL / Nashville, TN / West Palm Beach, FL

Cody Zipperer

From: Tribal Notify [tribal.notify@eca-usa.com]
Sent: Thursday, June 06, 2013 3:40 PM
To: Amy Williams; 'Andrew Tankel'; 'Autumn Dubois'; Ben Salter; Dave McGlothlin; Eric Johnson; Grant Burnham; 'Kelby Williams'; Mary Seagrave; Matthew Beazley; Michelle Taylor; Dina Bazzill; Mark Montes; Cody Zipperer; Seth Goad; Travis LaForge; Marshall West
Subject: FW: Reply to Proposed Tower Structure (Notification ID: 95672) - Email ID #3351755

-----Original Message-----

From: towernotifyinfo@fcc.gov [mailto:towernotifyinfo@fcc.gov]
Sent: Thursday, June 06, 2013 3:38 PM
To: tribal.notify@eca-usa.com
Cc: tcns.fccarchive@fcc.gov
Subject: Reply to Proposed Tower Structure (Notification ID: 95672) - Email ID #3351755

Dear Dina M Bazzill,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Robin Dushane of the Eastern Shawnee Tribe of Oklahoma in reference to Notification ID #95672:

Greetings from the Eastern Shawnee Tribe of Oklahoma.

The Eastern Shawnee Tribe of Oklahoma is interested in consulting on this tower or broadband project, just as we are interested in consulting on all federal undertakings in our homelands and other lands of interest.

Consultation regarding our heritage resources is one of the activities required by the National Historic Preservation Act (NHPA) for undertakings licensed or permitted by federal agencies such as the FCC.

We have recently developed new NHPA consultation procedures for cell tower projects (dated 3-1-2013). These procedures may be obtained by e-mailing or calling the cell tower program archaeologist, Rebecca Hawkins (algonquin@neok.com; 918-541-0782). All further electronic correspondence regarding this tower should also be directed to Ms. Hawkins at that e-mail address. This is the e-mail address that we will use for all of our TCNS communications and final responses.

Thank you,

Robin Dushane, THPO
Eastern Shawnee Tribe of Oklahoma

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 05/20/2013
Notification ID: 95672
Tower Owner Individual or Entity Name: Environmental Corporation of America
Consultant Name: Dina M Bazzill
Street Address: 1375 Union Hill Industrial Court

Suite A

City: Alpharetta
State: GEORGIA
Zip Code: 30004
Phone: 770-667-2040
Email: tribal.notify@eca-usa.com

Structure Type: POLE - Any type of Pole
Latitude: 36 deg 7 min 15.0 sec N
Longitude: 75 deg 43 min 25.3 sec W
Location Description: 148-A Ocean Boulevard
City: Southern Shores
State: NORTH CAROLINA
County: DARE
Ground Elevation: 2.8 meters
Support Structure: 39.6 meters above ground level
Overall Structure: 39.6 meters above ground level
Overall Height AMSL: 42.4 meters above mean sea level

Cody Zipperer

From: Dina Bazzill [dina.bazzill@eca-usa.com]
Sent: Tuesday, August 06, 2013 9:22 AM
To: Amy Williams; 'Autumn Dubois'; Ben Salter; 'Billy McCarley'; Cody Zipperer; Dave McGlothlin; Dina Bazzill; Eric Johnson; Grant Burnham; 'Kelby Williams'; 'Mark Montes'; 'Marshall West'; Matthew Beazley; Matthew Fields; Michelle Taylor; Orion Kroulek; Seth Goad; Travis LaForge
Subject: FW: 95672 - ESTO

Dina M. Bazzill - MA, RPA
 Principal Archaeologist/Historian
 Environmental Corporation of America
 1375 Union Hill Industrial Court, Suite A
 Alpharetta, GA 30004
 (770) 667-2040 Extension 111 (Office)
 (770) 667-2041 (Fax)
dina.bazzill@eca-usa.com
www.eca-usa.com

Alpharetta, GA / Asheville, NC / Chicago, IL / Nashville, TN / West Palm Beach, FL

From: Algonquin Consultants, Inc. [mailto:algonquin@neok.com]
Sent: Monday, August 05, 2013 9:24 PM
To: Dina Bazzill
Subject: 95672 - ESTO

The Eastern Shawnee Tribe of Oklahoma thanks you for the efforts that you have made to consult with us. Based on our own information and that which you have provided, we are satisfied that it is unlikely that any significant cultural resources related to our own past occupation of the region will be affected by construction of this tower. We thus will not object to its construction.

Should any precontact archaeological materials, including human remains, be discovered either during construction or future ground-disturbing activities at this tower location, please consult with us again at such time. As well, please alert appropriate parties regarding our concerns for future discoveries and the need to contact us in the event that precontact cultural materials are encountered.

We further request that contractors and developers follow best practices available for minimizing impact from both construction and use of cell towers on the environment. We are particularly concerned about the wellbeing of bird, bat, and other species who might experience negative impacts from cell towers. Please re-vegetate construction areas with native plant species whenever possible.

Thank you for consulting with us.

Respectfully,

Rebecca Hawkins, Archaeologist
 for Robin Dushane, THPO
 Eastern Shawnee Tribe of Oklahoma



SHAWNEE TRIBE
HISTORIC PRESERVATION DEPARTMENT
29 SOUTH HIGHWAY 69A
MIAMI, OKLAHOMA 74354
918-542-2441 PHONE 918-542-9915 FAX

FACSIMILE COVER PAGE

TO: Cody FROM: KIM JUMPER
FIRM/AGENCY: ECA DATE/TIME: 7/16/13
FAX NUMBER: 770-667-2041 NO. OF PAGES, INCLUDING COVER: 1
PHONE NUMBER: _____ MEMO: 94751, 95672

Message: The Shawnee Tribe's Tribal Historic Preservation Officer concurs that no known historic properties will be negatively impacted by construction of this tower site (see memo line above for TCNS number/s). The Shawnee Tribe's archives do not reveal any issues of concern at this tower location. In the event that archaeological materials are encountered later during construction, use, or maintenance of this tower location, please re-notify us at that time as we would like to resume consultation under such a circumstance.

The Shawnee Tribe's Environmental and Natural Resources Department takes this opportunity to express its concerns that telecommunication towers can have a potentially destructive impact on bats and migratory birds, particularly those that migrate at night, including species listed as threatened and endangered by both states and the federal government, as well as other species. The Shawnee Tribe suggests that this tower be constructed in accordance with the guidelines available from the US Fish and Wildlife Service to reduce the adverse effects of telecommunications towers on migratory birds; these guidelines may be found at: www.fws.gov/migratorybirds/issues/towers/comtow.html.

The Shawnee Tribe's Environmental and Natural Resources Department is further concerned that the proliferation of cell towers may play a role in honey bee Colony Collapse Disorder. We acknowledge that cell phone technology may not be to blame, especially by itself, as other potential causative factors for the decline have been noted, such as insecticides, tracheal and varroa mites [an immunosuppressant], other parasites, pesticides used on hives to eliminate parasites, genetically modified plants, *Nosema* fungus, Israeli Acute Paralysis Virus (IAPV) perhaps introduced from Australia in 2004, Kashmir Bee Virus [KBV], climate change, and drought.

Finally, the Shawnee Tribe's Environmental and Natural Resources Department requests that cell tower sites, whenever remotely feasible, be restored to native vegetation. In all cases, habitat restoration can protect a variety of species, even in small project areas. The large number of cell tower sites provides an as yet unrealized opportunity for region-wide habitat restoration. The Tribe urges the cell phone industry to provide a model for native habitat restoration for other industries.

Please do not hesitate to call us for additional comment.

Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, South Carolina 29730

Office 803-328-2427
Fax 803-328-5791



July 26, 2013

Attention: Cody E. Zipperer
Environmental Corp. of America
1375 Union Hill Industrial Court, Suite A
Alpharetta, GA 30004

Re. THPO #	TCNS#	Project Description
2013-130-46	95672	Proposed 130 ft. 148-A Ocean Boulevard Southern Shores, Dare Co., NC

Dear Mr. Zipperer,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions please contact Caitlin Totherow at 803-328-2427 ext. 226, or e-mail caitlinh@ccppcrafts.com.

Sincerely,

Wenonah G. Haire
Tribal Historic Preservation Officer

Attachment F

Floodplain Information



GRID NORTH

SCALE 1" = 500' (1 : 6,000)

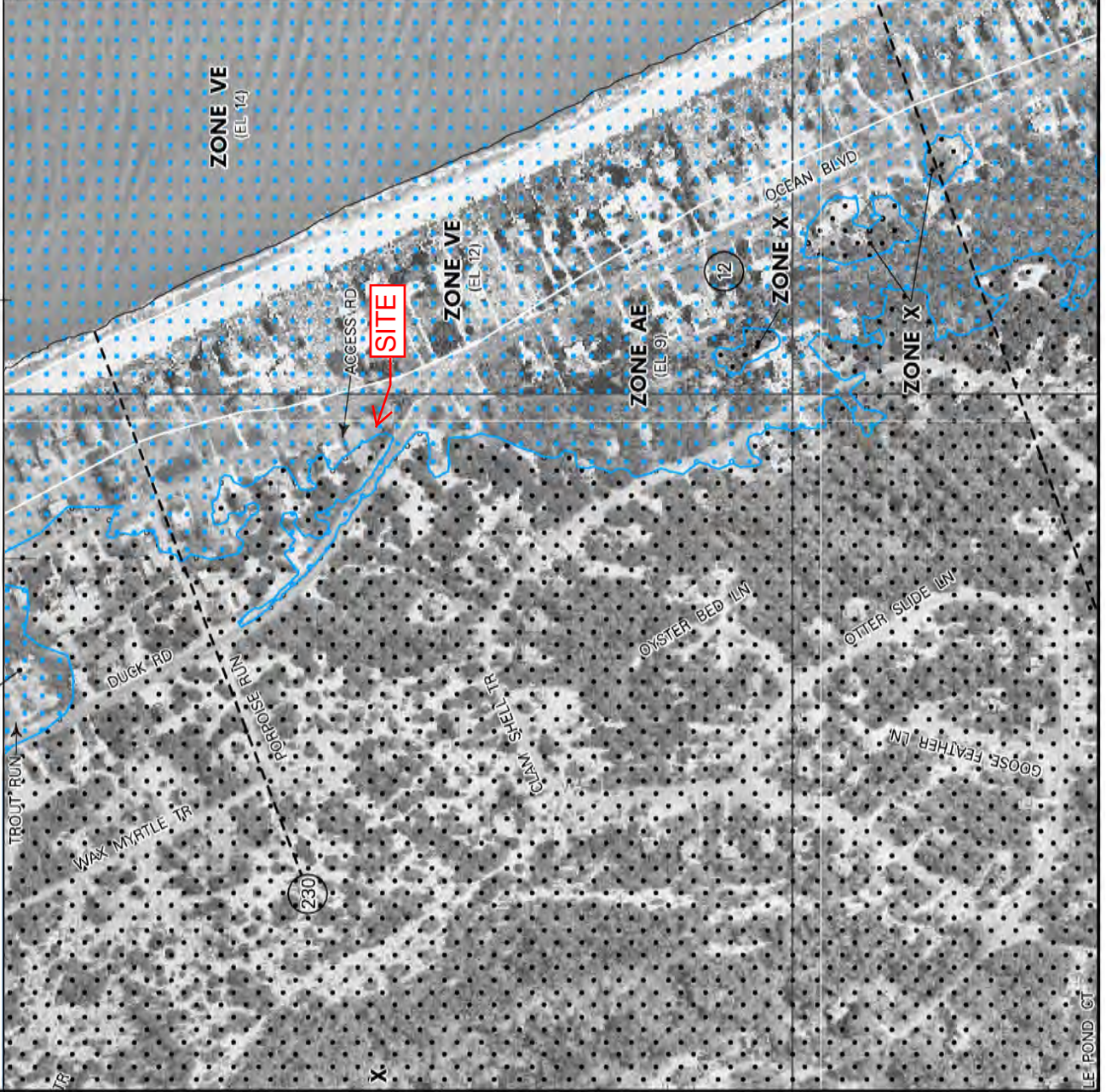


ZONE AE
(EL 9)

75° 43' 30"

2 967 500 FEET

435 000 M



NFIP

PANEL 9867J

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 9867

(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM
PANEL LAYOUT)

CONTAINS:

COMMUNITY	CID No.	PANEL	SUFFIX
DARE COUNTY	375248	9867	J
KITTY HAWK TOWN OF	370439	9867	J
SOUTHERN SHORES TOWN OF	370430	9867	J

Notice to User: The Map Numbers shown below should be used
when ordering maps. The Community Numbers shown below
above should be used on insurance applications for the subject
community.

EFFECTIVE DATE
SEPTEMBER 20, 2006

MAP NUMBER
3720986700J



State of North Carolina
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It
was extracted using F-MIT On-Line. This map does not reflect changes
or amendments which may have been made subsequent to the date on the
title block. For the latest product information about National Flood Insurance
Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

Attachment G

Wetlands Information











U.S. Fish and Wildlife Service

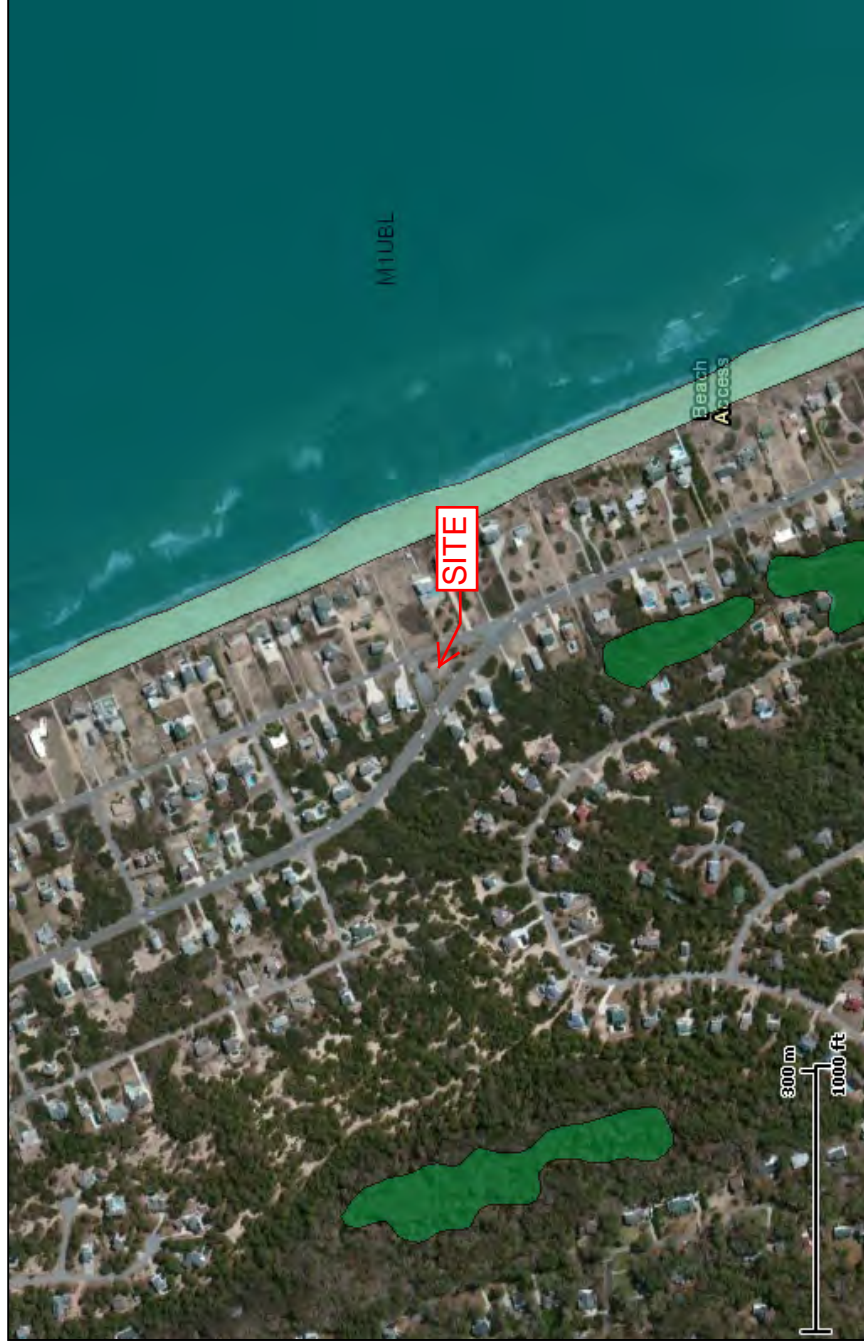
National Wetlands Inventory

AT&T NF610-C
(Hickory)

May 21, 2013

Wetlands

	Freshwater Emergent
	Freshwater Forested/Shrub
	Estuarine and Marine Deepwater
	Estuarine and Marine
	Freshwater Pond
	Lake
	Riverine
	Other



This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

ECA#: L-677b